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# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR  
DUTCH HARBOR, AK

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

JULY 1990

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAY 45-OCT 47, JUN 52-JUL 54, JUN 87-MAR 90 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 17-DEC 41, MAY 45-OCT 47, DEC 50-JUL 54 (FULL TIME).

SUMMARY OF THE DAY DATA IS FULL TIME BUT NOT ALL PARTS OF THE OBSERVATIONS WERE RECORDED.

HOURS SUMMARIZED: 00-23L (MAY 45-OCT 47, JUN 52-JUL 54), 06-18L (JUN 87-MAR 90)

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DAA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
704890	DUTCH HARBOR, ALASKA	N 53 54	W 166 32	12	PADU (DUT)	70489

  

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Dutch Harbor, Alaska	NS	Jan 46	Oct 47	N 53 53	W 166 32	20	26	24
2	Same	AFS	Dec 50	May 52	N 53 54	Same	Same	23	24
3	Same	NS	Jun 52	Jul 54	N 53 53	Same	23	26	24
4	Same	SAWRS	Jul 54	Nov 63	Same	Same	13	16	8
5	Same	SAWRS	Nov 63	Jun 75	Same	Same	12	None	8
6	Same	SAWRS	Jul 76	Nov 77	N 53 54	Same	13	None	8
7	Same	SAWRS	Dec 77	Sep 83	Same	Same	12	None	8
8	Same	A-Paid	Oct 83	Apr 90	Same	Same	Same	None	8
*Station closed									

  

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 46	Atop Operations Bldg	Anemometer	None	40 ft	
2	Jun 52	Atop Control Tower	F-103	None	30 ft	
3	Jul 54	Same	F-221A	None	40 ft	
4	Aug 56	Same	Same	None	30 ft	
5	Apr 70	Same	Same	None	39 ft	
6	Jul 76	Same	F420C	None	35 ft	
7	Oct 84	In the infield	Same	None	22 ft	

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRR	TT	AA AA
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		15.2		36.3		51.5	1.9		8.9		62.3	369
03-05		15.7		33.8		49.5	.8		8.9		59.2	370
06-08		14.3		37.8		52.0	2.7		10.0		64.7	561
09-11		12.8	.3	35.2		48.3	4.9		7.9		61.2	631
12-14		10.4		38.9		49.4	5.5		9.5		64.4	632
15-17		12.1		38.9		51.0	5.5		9.0		65.5	620
18-20		9.1		40.2		49.3	2.3		9.3		61.0	428
21-23		10.6		36.6		47.2	1.1		9.2		57.5	369
ALL HOURS		12.4	.1	37.4		49.8	3.5		9.1		62.4	3980

MONTH: FEB

00-02		16.2	.3	46.7		63.2	2.1		6.6		71.9	334
03-05		14.5		45.2		59.6	2.1		7.2		69.0	332
06-08		19.0	.4	46.1		65.5	6.9		9.5		82.0	505
09-11		19.8		43.7		63.5	5.3		9.7		78.5	567
12-14		21.5		40.9		62.4	6.5	.2	7.4		76.5	567
15-17		18.5		38.4		56.9	4.9	.2	8.4		70.4	550
18-20		17.1		43.5		60.6	3.4		10.0		74.1	409
21-23		18.3	.3	48.2		66.8	1.2		10.2		78.1	334
ALL HOURS		18.5	.1	43.6		62.2	4.5	.1	8.7		75.4	3598

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		18.3		36.3		54.7	.9		9.9		65.5	333
03-05		14.4		34.8		49.2	.9		9.9		60.1	333
06-08		18.0		34.4		52.4	5.1		7.5		65.0	532
09-11		14.3		34.1		48.4	3.9		6.2		58.5	595
12-14		14.8	.2	30.5		45.5	2.9		7.4		55.9	580
15-17		14.3	.5	27.4		42.3	3.7		6.4		52.4	565
18-20		15.6	.2	28.3		44.1	2.9		5.6		52.7	410
21-23		15.3		31.8		47.1			.4		55.6	333
ALL HOURS		15.5	.1	32.0		47.7	2.9		7.4		57.9	3681

MONTH: APR

00-02		28.9		23.3		52.2			2.2		54.4	360
03-05		24.9		22.5		47.4	1.0		1.2		49.6	405
06-08		22.8		25.4		48.2	5.5		2.1		55.8	523
09-11		21.5		28.4		49.9	4.4		2.7		57.0	525
12-14		22.8		22.8		45.7	5.3		2.8		53.7	508
15-17		23.8		23.0		46.7	4.3		2.2		53.3	492
18-20		29.0		24.9		53.9	.8		2.8		57.5	393
21-23		28.8		23.5		52.4			2.2	.6	55.1	361
ALL HOURS		24.9		24.4		49.3	3.0		2.3	.1	54.6	3567

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		41.9		4.6		46.5	4.3				50.8	372
03-05		40.6		3.8		44.5	3.4				47.8	416
06-08		36.0		3.0		39.0	5.3			.4	44.7	533
09-11		34.1		4.2		38.3	5.7			.2	44.2	543
12-14		30.1		3.3		33.3	6.5				39.8	522
15-17		29.0		2.4		31.4	6.7				38.0	510
18-20		33.2		3.4		36.6	3.4				40.0	407
21-23		37.7		3.2		40.9	3.5				44.4	374
ALL HOURS		34.9		3.5		38.3	5.0			.1	43.4	3677

MONTH: JUN

00-02		25.4		.4		25.9	13.8				39.7	448
03-05		27.3		.4		27.7	16.2				43.9	501
06-08		27.7		.3		28.0	18.4				46.4	668
09-11		27.1				27.1	16.8	.1			44.1	690
12-14		25.5				25.5	12.7	.6			38.8	678
15-17		26.5				26.5	12.1	.8			39.4	642
18-20		28.1				28.1	12.8	1.3			42.1	477
21-23		26.8				26.8	14.6				41.5	451
ALL HOURS		26.8		.1		26.9	14.8	.4			42.1	4555

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		24.4				24.4	29.4				53.8	442
03-05		26.2				26.2	28.4				54.6	493
06-08		23.8				23.8	31.1				54.9	656
09-11		19.7				19.7	22.9				42.6	699
12-14		16.2				16.2	17.6				33.8	681
15-17		15.2				15.2	14.7				29.8	640
18-20		14.2				14.2	14.6				28.8	465
21-23		17.2				17.2	22.6				39.7	443
ALL HOURS		19.5				19.5	22.5				42.0	4519

MONTH: AUG

00-02		19.1				19.1	17.5				36.6	372
03-05		25.6				25.6	20.3			.2	46.1	414
06-08		20.1				20.1	25.8				46.0	581
09-11		19.8				19.8	24.7	.2			44.7	615
12-14		17.4				17.4	18.2				35.7	614
15-17		14.1				14.1	16.2				30.3	574
18-20		13.4				13.4	16.1	.8			30.2	397
21-23		21.4				21.4	17.2	.8			39.4	373
ALL HOURS		18.7				18.7	19.9	.2		.0	38.8	3940

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FOZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		34.0				34.0	17.0				51.0	359
03-05		31.1				31.1	18.9				50.0	408
06-08		34.7				34.7	17.4				52.1	580
09-11		28.0				28.0	13.6	.5			42.1	604
12-14		30.6				30.6	13.9	.5			45.0	589
15-17		31.8				31.8	12.1	.4			44.3	553
18-20		29.2				29.2	20.4	.3			49.9	377
21-23		30.0				30.0	16.7				46.7	360
ALL HOURS		31.1				31.1	15.8	.2			47.2	3830

MONTH: OCT

00-02		42.5		5.6		48.1	2.1				50.1	341
03-05		44.1		4.4		48.6	2.3				50.9	383
06-08		38.8		1.8		40.6	4.5				45.1	559
09-11		31.6		2.5		34.1	7.4	.7			42.1	598
12-14		32.5		4.0		36.5	6.7	.3			43.5	581
15-17		35.1		2.7		37.8	8.3				46.1	553
18-20		39.3		5.7		45.0	6.0				51.0	351
21-23		44.2		5.9		50.1	3.2				53.4	339
ALL HOURS		37.5		3.8		41.3	5.5	.2			46.9	3705

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		36.3		15.0		51.3	.4		1.3		53.1	226
03-05		33.6		11.9		45.6			.9		46.5	226
06-08		27.3		20.0		47.3	3.0		2.8		53.0	400
09-11		21.6		16.7		38.3	3.5		2.9		44.7	515
12-14		19.6	.2	15.5		35.3	3.1		2.5		40.9	516
15-17		21.6		18.5		40.1	4.6		1.5		46.2	476
18-20		25.7		15.4		41.2	3.2	.3	1.3		46.0	311
21-23		30.1		14.2		44.2	.4		1.3		46.0	226
ALL HOURS		25.2	.0	16.4		41.6	2.8	.0	2.0		46.4	2896

MONTH: DEC

00-02		21.5		25.4		47.0	.4		2.2		49.5	279
03-05		20.1		24.5		44.6	1.8		2.2		48.6	278
06-08		23.0	.2	22.8		46.1	4.3		4.1		54.4	469
09-11		19.3		23.1		42.4	4.4		4.4		51.1	528
12-14		18.4		24.9		43.3	2.7		3.6		49.6	522
15-17		16.5		25.8		42.2	2.3		4.7		49.2	516
18-20		18.0	.3	27.2		45.6	1.5		3.7		50.8	327
21-23		18.6	.4	28.9		47.9			2.9		50.7	280
ALL HOURS		19.3	.1	25.0		44.5	2.5		3.7		50.6	3199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		12.4	.1	37.4		49.8	3.5		9.1		62.4	3980
FEB		18.5	.1	43.6		62.2	4.5	.1	8.7		75.4	3598
MAR		15.5	.1	32.0		47.7	2.9		7.4		57.9	3681
APR		24.9		24.4		49.3	3.0		2.3	.1	54.6	3567
MAY		34.9		3.5		38.3	5.0			.1	43.4	3677
JUN		26.8		.1		26.9	14.8	.4			42.1	4555
JUL		19.5				19.5	22.5				42.0	4519
AUG		18.7				18.7	19.9	.2		.0	38.8	3940
SEP		31.1				31.1	15.8	.2			47.2	3830
OCT		37.5		3.8		41.3	5.5	.2			46.9	3705
NOV		25.2	.0	16.4		41.6	2.8	.0	2.0		46.4	2896
DEC		19.3	.1	25.0		44.5	2.5		3.7		50.6	3199
ANNUAL		23.6	.0	14.7		38.4	9.2	.1	2.7	.0	50.3	45147

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 5012-5407  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		42.7		65.3		86.3	21.8		15.3		87.1	124
FEB		44.2		85.8		97.3	14.2		17.7		9.3	113
MAR		54.0	.8	74.2		91.9	13.7		15.3		91.9	124
APR		49.2		55.8		86.7	13.3		7.5		86.7	120
MAY		79.0		7.3		79.0	14.5				80.6	124
JUN		73.3		2.5		73.3	39.2	3.3			81.7	120
JUL		72.4				72.4	63.8				82.8	116
AUG		61.3				61.3	38.7	1.1			74.2	93
SEP		80.9				80.9	29.2				82.0	89
OCT		86.0		26.9		93.5	24.7				93.5	93
NOV		74.4	1.1	47.8		93.3	17.8		5.6		93.3	90
DEC		45.8	.8	75.0		90.0	10.8		5.8		90.8	120
ANNUAL		62.6	.2	38.2		83.9	24.8	.4	6.0		86.9	1326



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08												
09-11												
12-14												
15-17												
18-20												
21-23												
ALL HOURS												
TOTAL OBS	3980	3598	3681	3567	3677	4555	4519	3940	3830	3705	2896	3199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	3.4		7.3	21.4	49.8	10.1	8.1	496
FREEZING PRECIP	100.0							2
FROZEN PRECIP	3.6		24.3	11.3	15.3	16.3	29.2	1499
FOG	11.4		17.5	20.2	28.1	9.6	13.2	114
FOG WITH VIS GE 1/2 MILES	11.6		17.9	18.8	28.6	9.8	13.4	112
TOTAL OBS	263	0	606	448	1218	631	804	3970

MONTH: FEB HOURS: ALL

TSTMS								
LIQUID PRECIP	6.8		5.9	31.9	44.3	8.1	3.0	664
FREEZING PRECIP	25.0			50.0			25.0	4
FROZEN PRECIP	3.6		32.0	13.8	16.0	13.4	21.2	1570
FOG	10.8		11.4	32.3	34.2	7.0	4.4	158
FOG WITH VIS GE 1/2 MILES	4.8		12.3	33.6	37.0	7.5	4.8	146
TOTAL OBS	254	0	767	512	952	560	547	3592

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	4.5		8.0	33.3	38.5	11.1	4.7	577
FREEZING PRECIP			100.0					5
FROZEN PRECIP	5.1		24.6	9.9	14.7	13.7	32.0	1178
FOG	1.9		16.0	41.5	19.8	8.5	12.3	106
FOG WITH VIS GE 1/2 MILES	1.9		16.5	42.7	19.4	7.8	11.7	103
TOTAL OBS	308	0	549	444	986	627	752	3666

MONTH: APR HOURS: ALL

TSTMS								
LIQUID PRECIP	2.7		5.2	25.7	35.9	16.3	14.2	887
FREEZING PRECIP								
FROZEN PRECIP	3.8		13.2	10.5	6.6	17.9	48.0	868
FOG	2.8		10.3	19.6	28.0	9.3	29.9	107
FOG WITH VIS GE 1/2 MILES	2.9		10.5	20.0	27.6	9.5	29.5	105
TOTAL OBS	222	0	331	447	926	675	955	3556

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	6.7		10.0	14.9	41.0	12.2	15.2	1282
FREEZING PRECIP								
FROZEN PRECIP	8.7		13.4	12.6	15.0	23.6	26.8	127
FOG	10.3		11.4	33.7	22.8	4.3	17.4	184
FOG WITH VIS GE 1/2 MILES	10.3		11.4	33.7	22.8	4.3	17.4	184
TOTAL OBS	338	0	365	477	1405	575	506	3666

MONTH: JUN HOURS: ALL

TSTMS								
LIQUID PRECIP	7.5		7.6	29.9	36.3	7.9	10.9	1222
FREEZING PRECIP								
FROZEN PRECIP							100.0	6
FOG	20.7		9.2	31.5	15.0	7.0	16.5	672
FOG WITH VIS GE 1/2 MILES	18.5		9.2	32.6	15.7	6.9	17.1	642
TOTAL OBS	508	0	390	959	1524	588	579	4548

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	13.6		13.3	18.7	35.5	5.9	13.0	867
FREEZING PRECIP								
FROZEN PRECIP								
FOG	21.5		15.0	26.9	15.5	6.9	14.2	1006
FOG WITH VIS GE 1/2 MILES	20.0		15.1	27.7	16.0	6.8	14.4	971
TOTAL OBS	603	0	484	852	1494	593	456	4482

MONTH: AUG HOURS: ALL

TSTMS								
LIQUID PRECIP	10.0		11.8	10.4	37.7	16.6	13.4	737
FREEZING PRECIP								
FROZEN PRECIP								
FOG	19.3		15.7	20.3	14.9	12.8	17.1	784
FOG WITH VIS GE 1/2 MILES	18.5		16.3	20.6	15.5	11.9	17.1	741
TOTAL OBS	517	0	353	571	1327	759	402	3929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	5.7		15.1	12.6	19.3	18.1	29.3	1193
FREEZING PRECIP								
FROZEN PRECIP								
FOG	13.2		24.9	16.2	10.9	8.6	26.2	606
FOG WITH VIS GE 1/2 MILES	13.2		24.7	16.3	10.8	8.7	26.3	600
TOTAL OBS	308	0	567	408	754	759	1027	3823

MONTH: OCT HOURS: ALL

TSTMS								
LIQUID PRECIP	2.1		6.4	9.2	25.8	32.2	24.3	1390
FREEZING PRECIP								
FROZEN PRECIP	1.4		9.9		3.5	35.5	49.6	141
FOG	2.0		14.4	20.8	12.9	17.8	32.2	202
FOG WITH VIS GE 1/2 MILES	2.0		14.4	20.8	12.9	17.8	32.2	202
TOTAL OBS	161	0	323	216	932	1180	890	3702

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	2.9		12.1	18.2	28.8	16.8	21.2	730
FREFZING PRECIP							100.0	1
FROZEN PRECIP	1.9		13.6	5.9	7.9	32.0	38.7	478
FOG	3.8		30.0	3.8	13.8	13.8	35.0	80
FOG WITH VIS GE 1/2 MILES	3.8		30.0	3.8	13.8	13.8	35.0	80
TOTAL OBS	197	0	255	246	718	733	741	2890

MONTH: DEC HOURS: ALL

TSTMS								
LIQUID PRECIP	4.0		16.1	11.1	39.4	15.9	13.5	622
FREEZING PRECIP	33.3		33.3				33.3	3
FROZEN PRECIP	1.1		19.6	5.8	14.6	24.8	34.0	799
FOG	5.0		16.3	20.0	22.5	20.0	16.3	80
FOG WITH VIS GE 1/2 MILES	5.0		16.3	20.0	22.5	20.0	16.3	80
TOTAL OBS	251	0	469	179	875	702	708	3184

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	5.9		9.8	18.9	34.5	15.2	15.7	10667
FREEZING PRECIP	26.7		40.0	13.3			20.0	15
FROZEN PRECIP	3.5		22.9	10.3	13.3	18.0	32.0	6666
FOG	15.9		15.6	24.4	16.4	9.3	18.3	4099
FOG WITH VIS GE 1/2 MILES	14.7		15.8	24.9	16.8	9.1	18.6	3966
TOTAL OBS	3930	0	5459	5759	13111	8382	8367	45008



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
LST TO UTC: +09 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	22.8	22.7	24.2	23.7	28.4	39.5	39.2	40.4	24.8	18.5	18.9	17.7	27.0
TRACE	11.6	10.4	14.3	14.9	15.4	20.7	21.2	18.7	18.7	9.9	14.7	12.3	15.3
.01	3.5	3.9	3.3	3.8	4.6	4.5	5.9	4.8	3.7	3.3	2.8	3.0	3.9
.02-.05	16.4	13.0	15.2	14.6	13.9	11.5	12.6	11.6	10.2	13.4	16.0	15.1	13.6
.06-.10	10.7	10.6	11.7	11.8	10.7	5.3	8.9	7.8	10.1	10.9	10.4	12.4	10.1
.11-.25	13.9	15.8	14.5	14.8	10.6	8.1	6.7	8.8	13.6	16.9	17.2	15.0	12.9
.26-.50	9.1	10.8	9.4	8.6	7.8	5.4	3.9	4.8	9.6	13.0	10.1	12.6	8.7
.51-1.00	6.7	7.1	4.0	5.7	5.6	2.8	.7	2.3	6.3	8.4	6.3	6.6	5.2
1.01-2.50	5.0	4.5	3.2	2.0	2.8	2.0	.7	.9	3.1	5.3	3.4	5.2	3.2
2.51-5.00	.2	1.1		.1	.1	.1	.1			.4	.1		.2
5.01-10.00		.1											.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	65.6	67.0	61.4	61.4	56.2	39.7	39.6	40.9	56.5	71.6	66.4	70.0	57.7
TOTAL NO. OF OBSERVATIONS	921	821	866	858	940	921	939	921	895	902	843	862	10689

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17	3.83	3.38	3.05	2.02	2.99	1.11	3.43	1.84	3.91	5.04	1.26	7.95	39.81
18	5.12	3.10	.64	1.47	1.05	.97	1.39	3.56	5.85	3.26	4.59	1.45	32.45
19	4.31	1.49	2.14	3.13	3.52	.16	2.81	4.12	3.68	10.20	2.23	7.08	44.87
21	.69	10.92	7.44	1.47	6.04	3.14	2.65	1.47	4.30	3.27	2.70	2.76	46.85
22	7.77	2.79	12.15	5.87	3.25	1.80	.90	2.03	.72	6.51	4.86	15.62	64.27
23	5.58	7.80	2.29	7.13	3.89	4.34	5.77	2.82	3.70	10.42	3.88	*	57.62*
24	5.15	.95	2.35	6.32	4.62	3.42	1.93	1.09	3.58	5.17	2.96*	8.63	46.17*
25	4.15	10.04	5.93	3.05	5.10	2.38	1.95	.10	TRACE	7.14	5.14	1.79	46.77
26	3.75	4.72	5.20	4.59	5.50	1.36	1.68	2.35	5.05	10.13	9.79	8.29	62.41
27	13.32	10.82	3.46	4.12	5.48	5.09	1.65	1.25	2.44	1.72	2.28	4.26	55.89
28	1.48	1.32*	.00*	.00*	.34*	.06	.20*	.11*	.76*	.06*	.08*	.61*	5.02*
29	3.12*	.92*	*	*	.18*	.11*	.00*	4.31	7.32	11.47	10.12	3.24	40.79*
30	14.00	1.57	4.22	1.54	4.08	3.82	1.60	.99	4.58	7.20	4.98	4.71	53.29
31	8.07	22.19	3.49	1.29	3.88	4.00	.88	2.21	3.66	4.04	8.60	3.24	65.55
32	2.87	6.56	5.83	3.33	1.63	.53	.24	2.70	4.43	4.53	3.51	9.18	45.34
33	4.02	8.12	1.13	4.76	1.63	1.10	.82	2.44	3.01	10.53	4.97	5.54	48.07
34	2.58	5.74	11.65	5.13	3.28	3.47	5.22	.63	9.55	6.35	5.25	6.58	65.43
35	7.02	5.41	4.39	3.98	5.06	3.63	.83	1.64	7.19	7.76	8.13	10.51	65.55
36	6.58	9.01	7.02	8.06	7.64	.81	2.96	3.68	10.16	10.89	8.27	7.89	82.97
37	6.21	3.61	3.79	2.61	11.09	2.01	.86	.80	5.82	7.59	2.35	7.87	54.61
38	3.31	2.38	4.66	6.72	5.15	5.06	.89	2.44	9.44	9.25	10.55	10.15	70.00
39	6.91	11.82	2.69	1.94	1.25	2.81	1.75	4.10	7.28	6.84	4.49	6.62	58.50
40	13.53	13.74	6.79	7.29	2.38	3.10	1.30	2.41	8.50	6.23	8.05	5.32	78.64
41	7.85	6.40	3.69	6.44	7.78	3.99	2.02	2.89	4.97	10.34	6.81	3.09*	66.27*
45					8.33	4.54	1.07	3.16	5.46	7.87	1.53	9.99	41.95*
46	10.34	8.35	3.89*	4.29	2.60	1.77	1.24	2.41	4.93	9.30	11.80	5.05	65.97*
47	5.23	14.06	1.73	7.70	7.90	6.18	1.72	1.60	4.33	3.99*			54.44*
50												9.09*	9.09*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
LST TO UTC: +09 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
51	10.60	8.99	6.32	6.79	8.53	4.88	1.03	3.43	1.44	16.01	3.59	4.10	75.71
52	7.33	4.36	3.38	1.92	2.28	3.91	.26	.27	1.64	11.73	4.14	3.03	44.25
53	2.15	4.85	6.49	6.94	5.03	.50	2.27	.83	3.60	4.84	7.13	7.02	51.65
54	.99	3.45	4.97	1.05	3.96	4.11	.47*						19.00*
.....													
LEAST	.69	.95	.64	1.05	1.05	.06	.24	.10	TRACE	1.72	1.26	1.45	32.45
GREATEST	14.00	22.19	12.15	8.06	11.09	6.18	5.77	4.31	10.16	16.01	11.80	15.62	82.97
MEAN	6.02	7.02	4.70	4.32	4.65	2.80	1.82	2.19	4.85	7.70	5.59	6.46	56.95
MEDIAN	5.23	6.07	4.22	4.21	4.08	3.12	1.63	2.35	4.43	7.40	4.97	6.60	55.25
SD	3.628	4.751	2.771	2.280	2.472	1.692	1.298	1.180	2.572	3.128	2.958	3.222	13.173
.....													
TOTAL OBS	921	821	866	858	940	921	939	921	895	902	843	862	10689
.....													

THE GREATEST VALUE OF 22.19 OCCURRED ON 02/31

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17	1.24	.90	.84	.48	.93	.38	1.48	.52	.94	1.06	.24	1.48	1.48
18	1.10	.45	.25	.29	.15	.21	.38	.65	1.18	.67	1.00	.30	1.18
19	2.00	.33	.45	.84	.45	.14	1.01	1.60	.65	1.50	.58	1.06	2.00
21	.12	3.64	2.16	.24	1.68	1.42	.34	.54	1.16	.79	.24	.65	3.64
22	1.25	.40	2.40	1.10	1.75	.59	.30	.50	.15	1.03	2.06	2.12	2.40
23	1.57	2.62	.49	1.46	1.50	3.00	4.00	1.00	1.20	2.10	2.10	*	4.00*
24	1.35	.30	.45	2.00	1.85	1.40	1.30	.47	.70	1.20	1.26*	1.90	2.00*
25	1.20	2.90	1.40	1.20	1.50	1.88	1.70	.10	TRACE	1.15	1.04	.22	2.90
26	.61	.77	.92	.68	1.19	.34	.56	1.65	2.18	3.21	1.60	1.76	3.21
27	2.62	1.78	1.02	1.18	.97	1.88	.38	.40	.62	.36	.92	1.76	2.62
28	.90	.52*	.00*	.00*	.18*	.06	.08*	.05*	.50*	.06*	.08*	.61*	.90*
29	1.00*	.18*	*	*	.08*	.05*	.00*	2.07	1.32	2.03	1.88	.60	2.07*
30	1.93	.31	.72	.54	.73	.83	.35	.51	1.68	2.07	1.12	1.40	2.07
31	1.12	3.19	1.26	.36	1.46	1.38	.35	1.03	1.35	1.20	1.83	.71	3.19
32	.68	3.75	1.60	.80	.45	.26	.14	1.10	1.31	.72	.52	1.40	3.75
33	.46	1.60	.17	.79	.60	.28	.26	.98	.59	2.37	.95	2.06	2.37
34	.52	1.28	2.47	.59	.99	.69	1.15	.20	1.79	1.16	.87	1.28	2.47
35	1.26	1.28	1.24	.95	1.00	1.47	.23	.48	1.42	1.35	2.40	1.53	2.40
36	2.31	2.71	1.62	3.46	1.62	.50	1.05	.57	1.78	2.32	2.10	1.22	3.46
37	1.34	.49	1.19	.58	1.98	.64	.16	.22	.88	1.20	.72	1.76	1.98
38	1.12	.53	.72	1.10	.78	1.28	.22	.55	1.09	2.10	2.06	1.72	2.10
39	1.49	1.97	1.22	.51	.25	1.17	.51	.82	2.41	2.09	1.04	1.44	2.41
40	2.77	2.39	1.54	1.59	.51	1.11	.58	.63	1.56	.79	1.82	.51	2.77
41	1.68	.70	.83	1.62	3.64	1.57	.49	1.04	.84	2.41	2.23	.63*	3.64*
45					1.60	1.12	.24	.91	1.51	2.66	.34	1.61	2.66*
46	1.58	1.75	.87*	.55	.50	.41	.25	1.02	1.09	2.81	4.74	1.04	4.74*
47	1.13	7.58	.35	1.46	1.26	1.60	.37	.37	1.00	1.60*			7.58*
50												1.97*	1.97*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
LST TO UTC: +09 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
51	2.34	3.16	2.07	1.48	1.89	.84	.29	1.17	.47	2.64	.75	.69	3.16
52	2.02	.95	.90	.56	.85	1.93	.07	.15	1.14	2.17	.56	.41	2.17
53	.38	.58	1.90	1.55	1.80	.20	.52	.30	.97	1.01	.99	1.03	1.90
54	.16	.53	1.20	.27	1.70	1.56	.16*						1.70*

GREATEST	2.77	7.58	2.47	3.46	3.64	3.00	4.00	2.07	2.41	3.21	4.74	2.12	7.58
TOTAL OBS	921	821	866	858	940	921	939	921	895	902	843	862	10689

THE GREATEST VALUE OF 7.58 OCCURRED ON 02/05/47

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 3001-4111,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	40.6	41.1	44.2	55.9	92.0	99.5	100.0	100.0	99.8	83.1	67.5	46.6	74.9
TRACE	16.2	17.4	20.3	22.4	5.9	.5			.2	15.7	13.4	19.5	10.2
0.1-0.4	15.3	10.6	12.5	8.4	1.7					.6	5.9	11.2	5.0
0.5-1.4	14.9	15.6	11.6	6.5	.2					.4	7.7	12.6	5.2
1.5-2.4	5.5	6.7	4.8	4.6	.2					.2	3.5	4.1	2.2
2.5-3.4	3.6	3.0	3.6	.8							1.5	3.1	1.2
3.5-4.4	1.5	1.8	.5	.8							.2	1.0	.4
4.5-6.4	1.3	2.1	2.3	.4							.2	1.2	.6
6.5-10.4	1.1	1.4	.2									.4	.2
10.5-15.4		.2										.2	.0
15.5-25.4													
25.5-50.4		.2											.0
OVER 50.4													
DAYS WITH MEAS AMTS	43.2	41.5	35.5	21.7	2.0					1.2	19.1	34.0	14.9
TOTAL NO. OF OBSERVATIONS	470	436	439	474	589	570	581	558	540	516	455	483	6111

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 3001-4111,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30	3.5*	17.1	29.7*	4.4	.6	.0	.0	.0	.0	.1	3.1	14.8	73.3*
31	49.5	42.7*	6.4	11.0	TRACE	.0	.0	.0	.0	.0	3.0	9.0	121.6*
32	12.1	14.2	5.3	2.2	.0	.0	.0	.0	.0	TRACE	7.1	4.8	45.7
33	13.4	6.8	5.2	12.0	.8	.0	.0	.0	.0	TRACE	5.2	.9	44.3
34	19.5	3.7	3.1	13.3	.0	TRACE	.0	.0	.0	1.4	6.5	4.5	52.0
35	7.4	48.2	.5	3.8	.3	.0	.0	.0	.0	TRACE	.7	14.7	75.6
36	16.7	2.3	22.6	7.5	.0	.0	.0	.0	.0	.0	20.2	26.2	95.5
37	.0	*	*	11.5	TRACE	.0	.0	.0	.0	TRACE	1.9	8.9*	22.3*
38	8.0	12.5	23.1	TRACE*	.0	.0	.0	.0	TRACE	TRACE	2.3	31.7	77.6*
39	*	.0	.3	TRACE	TRACE	.0	.0	.0	.0	1.5	.0*	*	1.8*
40	*	*	*	*	.0	.0	.0	.0	.0	*	3.0	10.2	13.2*
41	16.2	11.5	*	*	1.1	.0	.0	.0	.0	TRACE	.0*		28.8*
45					TRACE	.0	.0	.0	.0	TRACE	9.1	13.7	22.8*
46	52.6	57.2	39.1*	18.0	2.0	.0	.0	.0	.0	TRACE	1.6	20.5	191.0*
47	28.0	21.7	11.0	TRACE	.1	.0	.0	.0	.0	.7*			61.5*
50												7.2*	7.2*
51	23.0	1.1	8.4	9.6	.0	.0	.0	.0	.0	TRACE	6.6	8.5	57.2
52	5.6	24.5	12.9	6.7	TRACE	TRACE	.0	.0	.0	TRACE	9.7	33.5	92.9
53	16.5	38.6	27.4	6.6	TRACE	.0	.0	.0	.0	TRACE	10.5	12.1	111.7
54	7.8	22.7	13.1	7.6	TRACE	.0	.0*						51.2*

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 3001-4111,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

THE GREATEST VALUE OF 57.2 OCCURRED ON 02/46

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 3001-4111,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30	2.0*	4.0	4.5*	2.8	.4	.0	.0	.0	.0	.1	1.6	3.0	4.5*
31	10.0	28.0*	2.0	3.6	TRACE	.0	.0	.0	.0	.0	3.0	4.5	28.0*
32	3.0	7.0	3.0	1.2	.0	.0	.0	.0	.0	TRACE	2.0	2.1	7.0
33	4.6	4.0	1.4	2.3	.4	.0	.0	.0	.0	TRACE	1.2	.2	4.6
34	3.4	1.2	1.4	4.5	.0	TRACE	.0	.0	.0	1.0	2.0	3.0	4.5
35	1.6	14.6	.4	1.6	.3	.0	.0	.0	.0	TRACE	.4	6.6	14.6
36	4.0	2.0	6.0	4.0	.0	.0	.0	.0	.0	.0	5.5	12.2	12.2
37	.0	*	*	5.5	TRACE	.0	.0	.0	.0	TRACE	1.5	2.9*	5.5*
38	1.6	5.0	4.5	TRACE*	.0	.0	.0	.0	TRACE	TRACE	1.6	8.6	8.6*
39	*	.0	.2	TRACE	TRACE	.0	.0	.0	.0	1.5	.0*	*	1.5*
40	*	*	*	*	.0	.0	.0	.0	.0	*	1.0	3.0	3.0*
41	3.0	3.0	*	*	.5	.0	.0	.0	.0	TRACE	.0*		3.0*
45					TRACE	.0	.0	.0	.0	TRACE	2.5	4.8	4.8*
46	10.0	8.6	7.1*	4.4	1.9	.0	.0	.0	.0	TRACE	1.0	5.0	10.0*
47	8.5	7.5	5.3	TRACE	.1	.0	.0	.0	.0	.5*			8.5*
50												1.9*	1.9*
51	4.7	.4	2.4	2.8	.0	.0	.0	.0	.0	TRACE	3.3	4.9	4.9
52	2.6	4.4	3.0	1.3	TRACE	TRACE	.0	.0	.0	TRACE	4.0	4.0	4.4
53	3.0	5.3	5.1	2.3	TRACE	.0	.0	.0	.0	TRACE	2.6	2.0	5.3
54	1.9	4.7	3.3	2.7	TRACE	.0	.0*						4.7*

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 3001-4111,4505-4710,5012-5407

LST TO UTC: +09

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	10.0	28.0	7.1	5.5	1.9	TRACE	.0	.0	TRACE	1.5	5.5	12.2	28.0
TOTAL OBS	470	436	439	474	589	570	581	558	540	516	455	483	6111

THE GREATEST VALUE OF 28.0 OCCURRED ON 02/13/31

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 3101-3112,3205-3602,4505-5407  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	18.4	20.3	18.1	48.7	97.8	100.0	100.0	100.0	100.0	98.2	63.2	39.9	69.2
TRACE	9.0	11.6	22.1	19.0	1.9					1.8	14.6	15.7	7.4
1	11.0	3.5	8.4	7.7	.3						10.1	16.0	4.4
2	3.9	5.5	10.1	5.3							4.5	8.5	2.9
3	6.5	6.1	6.7	3.0							3.5	4.2	2.3
4-6	11.9	7.1	5.7	9.7							4.2	7.5	3.6
7-12	23.2	16.8	7.4	5.3								5.6	4.6
13-24	15.2	18.7	13.8	1.3								2.6	4.0
25-36	1.0	4.8	6.4										.9
37-48		1.3	.7										.2
49-60		4.2	.7										.4
61-120													
OVER 120													
DAYS WITH MEAS AMTS	72.6	68.1	59.7	32.3	.3						22.2	44.4	23.3
TOTAL NO. OF OBSERVATIONS	310	310	298	300	372	359	364	341	330	330	288	306	3908

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 3101-3112,3205-3602,4505-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
31	24*	56	56	10	0	0	0	0	0	0	3	0*	56*
32					0	0	0	0	0	0	5*	3*	5*
33	10	4	3	4	TRACE	0	0	0	0	0	2	1	10
34	15	13	3	6	0	0	0	0	0	0	3	3	15
35	3	35	10	2	TRACE	0	0	0	0	0	TRACE	6	35
36	13	2											13*
45					0	0	0	0	0	TRACE	5	4	5*
46	27	31	38*	15	1	0	0	0	0	0	2	5	38*
47	13	11	7	TRACE	0	0	0	0	0	TRACE*			13*
50												3*	3*
51	25	TRACE	3	2	0	0	0	0	0	0	5	5	25
52	3	13	7	5	TRACE	0	0	0	0	0	5	20	20
53	20	22	16	14	0	0	0	0	0	TRACE	3	5	22
54	9	14	13	5	0	0	0*						14*
GREATEST	27	56	56	15	1	0	0	0	0	TRACE	5	20	56
TOTAL OBS	310	310	298	300	372	359	364	341	330	330	288	306	3908

THE GREATEST VALUE OF 56 OCCURRED ON 02/19/31

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY NOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK

PERIOD OF RECORD: 3101-3112,3205-3602,4505-5407  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
30 - 31	JAN 01	JAN 02	JAN 31	MAY 12	APR 14	APR 24
31 - 32	NOV 05	NOV 23	NOV 23	DEC 28	DEC 23	NOV 23
32 - 33	OCT 19	NOV 06	NOV 06	MAY 10	MAY 05	APR 22
33 - 34	OCT 25	NOV 12	NOV 12	JUN 06	APR 27	APR 26
34 - 35	OCT 16	OCT 23	NOV 02	MAY 18	MAY 18	APR 17
35 - 36	OCT 15	NOV 28	DEC 02	FEB 29	FEB 29	FEB 02
44 - 45	MAY 01			MAY 25		
45 - 46	OCT 14	NOV 01	NOV 02	MAY 18	MAY 16	MAY 01
46 - 47	OCT 19	NOV 01	NOV 13	MAY 24	MAY 01	MAR 27
47 - 48	OCT 10	OCT 13		OCT 18	OCT 16	
50 - 51	DEC 06	DEC 07	DEC 12	APR 28	APR 28	APR 28
51 - 52	OCT 06	NOV 25	NOV 26	JUN 03	APR 26	APR 29
52 - 53	OCT 16	NOV 10	NOV 11	MAY 06	APR 30	APR 09
53 - 54	OCT 03	NOV 14	NOV 15	MAY 08	APR 16	APR 14
MEDIAN-DATE	OCT 17	NOV 12	NOV 14	MAY 11	APR 27	APR 19



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

## PART C

### SURFACE WIND SUMMARIES

#### PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

#### WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 4505-4705,5206-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
45					NNW 61	NNW 49	SW 40	46	NNW 60	NNW 77	WNW 79	NNW*63	WNW*79
46	S 45	NNW*58	SW *20	NNW*12	S *18	S *20	S *25	NNW*22	NNW* 6	*	NNW 86	NNW 90	NNW*90
47	ESE 70	E 82	ENE 61	ESE 63	NNE*55								E *82
52						ESE 54	SE 44	SSW 60	NW 54	WNW 68	ESE 62	NNW 54	WNW*68
53	E 62	ESE 69	SE 54	E *58	ESE 63	SW *35	E 39	SW 43	SE 54	NE 51	E 68	NE 56	ESE*69
54	NNE 56	NNW 74	ESE 67	NW 51	SSE 63	ENE 46	SSW*30						NNW*74
.....													
GREATEST	ESE 70	E 82	ESE 67	ESE 63	ESE 63	ESE 54	SE 44	SSW 60	NNW 60	NNW 77	NNW 86	NNW 90	NNW 90
.....													
TOTAL OBS	122	94	94	84	105	125	117	102	87	92	119	117	1258
.....													

THE PEAK WIND OF 90 FROM NNW OCCURRED ON 12/09/46

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 4505-4705,5206-5407  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS										GE 65	MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
JAN	.0	3.3	6.6	13.1	12.3	11.5	12.3	16.4	11.5	10.7	2.5	31.7	30.0	122
FEB	.0	.0	5.3	9.6	7.4	9.6	17.0	7.4	22.3	13.8	7.4	37.9	35.5	94
MAR	.0	1.1	5.3	10.6	14.9	10.6	11.7	7.4	22.3	14.9	1.1	33.8	32.5	94
APR	.0	2.4	9.5	8.3	27.4	14.3	15.5	7.1	9.5	6.0	.0	27.9	25.5	84
MAY	.0	2.9	13.3	21.0	15.2	18.1	8.6	2.9	7.6	10.5	.0	26.3	24.0	105
JUN	.8	1.6	17.6	26.4	25.6	6.4	8.8	2.4	8.8	1.6	.0	22.3	20.0	125
JUL	.0	2.6	21.4	34.2	26.5	7.7	1.7	2.6	3.4	.0	.0	19.4	18.0	117
AUG	1.0	5.9	21.6	12.7	23.5	15.7	5.9	7.8	4.9	1.0	.0	22.2	20.0	102
SEP	.0	1.1	9.2	17.2	20.7	14.9	16.1	6.9	10.3	3.4	.0	26.4	25.0	87
OCT	.0	.0	2.2	9.8	9.8	17.4	10.9	17.4	17.4	10.9	4.3	35.6	34.5	92
NOV	.0	1.7	1.7	5.0	13.4	10.9	15.1	14.3	19.3	11.8	6.7	37.7	35.0	119
DEC	.0	.0	5.1	11.1	10.3	11.1	17.9	14.5	16.2	12.8	.9	33.8	33.0	117
ANNUAL	.2	1.9	10.1	15.3	17.2	12.1	11.6	9.0	12.6	8.0	1.9	29.5	27.0	1258

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.1	.8	.3	.3	.8							3.3	10.8	8.0
020-040		.3	1.4	3.3	2.4	1.4	.3	.3					9.2	14.1	13.5
050-070			.3	1.6	.3	.8	.5						3.5	16.0	13.0
(E) 080-100			.5	2.2	.8	.5							4.1	13.4	12.0
110-130		.5	.3	1.6	1.9	2.2	.5						7.1	16.6	18.0
140-160		.5	1.4	4.9	3.5	2.7	.8						13.9	14.9	15.0
(S) 170-190		3.0	6.8	1.4	.3	.3							11.7	6.8	6.0
200-220		1.4	2.2	2.2	.8	.8	.3						7.6	11.1	10.5
230-250		1.4	.8	1.1	.8	.8							4.9	11.4	11.0
(W) 260-280		.8	2.4	.5									3.8	6.4	6.5
290-310		.8	.8	1.1	1.4	.5							4.6	12.4	13.0
320-340		1.4	3.0	1.4	4.6	5.2	1.6	.5					17.7	16.6	17.0
VARIABLE															
CALM		////////////////////////////////////										8.7	////////		
TOTALS		11.2	20.7	21.6	17.1	16.0	4.0	.8					100.0	12.0	12.0
TOTAL NUMBER OF OBSERVATIONS 368															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.5	.8	1.6	.8	.5							4.4	11.6	11.5
020-040		1.4	3.0	1.9	1.9	.5						8.7	14.9	14.5
050-070		.8	.3	.5	.3	1.1						3.0	18.1	19.0
(E) 080-100		1.6	1.1	.8	1.1	.5	.3					5.4	15.4	14.5
110-130		1.6	1.4	1.9	1.6	.5						7.1	15.5	16.0
140-160	1.4	3.3	3.5	3.3	1.9							13.4	12.2	12.0
(S) 170-190	3.5	6.3	1.4									11.2	6.2	6.0
200-220	.8	1.9	.8	.8	1.9	.5	.3					7.1	14.8	16.0
230-250	1.4	1.6	2.5	.3	1.1	.3						7.1	10.8	10.0
(W) 260-280	1.9	1.9	1.9	.3		.3						6.3	8.5	6.0
290-310	.3	1.1	.8	.3	.5	.3	.3					3.5	13.8	10.0
320-340	1.4	1.6	1.6	3.3	5.2	1.6						14.7	16.6	18.0
VARIABLE														
CALM	////////////////////////////////////											8.2	////////////////////////////////	
TOTALS	11.2	23.9	19.9	14.2	16.0	5.6	.9					100.0	11.9	12.0
TOTAL NUMBER OF OBSERVATIONS 367														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS IND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.9	1.8									3.0	8.5	10.0
020-040	.2	1.3	2.5	2.9	1.1		.7					8.6	15.4	15.0
050-070	.5	1.3	2.7	1.6	.4							6.5	11.7	12.0
(E) 080-100		.5	1.4	.4	.4	.2	.4					3.2	14.9	12.0
110-130	.4	1.3	2.2	1.4	1.6		.2					7.0	13.9	14.0
140-160	1.8	3.4	3.9	2.2	.9	.2	.4		.2			12.9	11.7	10.0
(S) 170-190	3.0	4.3	1.1	.5	.2							9.1	6.6	5.0
200-220	1.6	3.6	2.0	1.3	1.4		.2	.2				10.2	11.7	9.0
230-250	.5	2.3	3.0	1.6	1.8	.2	.2					9.7	13.3	12.5
(W) 260-280	1.3	1.8	2.0	.4	.4							5.7	9.2	8.5
290-310	1.4	.9	.9	.7	.7	.2						4.8	10.4	10.0
320-340	.9	1.1	2.2	4.8	3.6	.5						13.1	15.7	16.0
VARIABLE														
CALM	////////////////////											6.1	////////	
TOTALS	12.0	22.7	25.7	17.8	12.5	1.3	2.1	.2	.2			100.0	11.5	11.0
TOTAL NUMBER OF OBSERVATIONS 558														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.1	1.0	1.0		.2						3.8	10.1	10.0
020-040	.2	1.7	2.5	1.7	1.9	.3						8.4	13.9	14.0
050-070	.3	2.5	1.6	.5	.3	.3						5.5	11.2	9.0
(E) 080-100	.3	.5	1.4	.6	.2	.3	.2					3.5	13.6	12.0
110-130	.2	1.6	1.9	1.7	.8							6.2	12.7	12.0
140-160	1.0	2.5	4.1	2.5	1.3	.6	.2	.2				12.4	12.9	11.5
(S) 170-190	3.2	5.7	1.3	.8	.3			.2				11.4	7.8	6.0
200-220	1.0	3.3	3.2	1.0	.6	.2	.2					9.4	10.8	10.0
230-250	1.9	2.2	1.9	3.0	1.0	.8						10.8	12.3	13.0
(W) 260-280	.2	1.4	2.2	.6	.5							4.9	11.3	10.0
290-310	.5	1.0	2.1	.5	.2							4.1	10.6	12.0
320-340	1.0	1.9	5.4	2.5	1.7							12.5	12.5	12.0
VARIABLE														
CALM	////////////////////////////////////											7.1	////////////////////////////////	
TOTALS	10.4	25.4	28.6	16.4	8.8	2.7	.6	.4				100.0	10.8	10.0
TOTAL NUMBER OF OBSERVATIONS 631														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.5	2.4	.8			.2					4.3	11.9	12.0
020-040		1.3	3.0	2.9	2.1	.6	.2					10.0	15.6	15.0
050-070	.8	.8	.5	.5	.3		.2					3.0	11.3	8.0
(E) 080-100	.3	.8	.6	.5	.8							3.0	12.4	10.0
110-130	.8	1.1	2.5	1.9	.3	1.0						7.6	13.2	12.0
140-160	1.1	3.0	4.6	2.7	1.1	.2	1.0					13.7	13.1	12.0
(S) 170-190	2.9	4.0	2.1	.6	.8	.2						10.5	8.6	7.0
200-220	1.9	3.2	2.1	.3	.5	.3						8.3	9.1	8.0
230-250	1.7	2.1	3.0	1.6	1.1	.5	.3	.2				10.5	12.6	11.5
(W) 260-280	1.0	1.4	1.9	.6	.8							5.7	10.9	10.0
290-310	.3	1.3	2.4	1.6	.3	.2						6.0	12.1	12.0
320-340	.3	2.1	3.8	2.1	1.6	.8						10.6	14.3	14.0
VARIABLE														
CALM	////////////////////////////////////											6.8	////////	
TOTALS	11.6	21.6	28.9	16.1	9.7	3.8	1.9	.2				100.0	11.4	12.0
TOTAL NUMBER OF OBSERVATIONS 630														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704690

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.1	1.3	1.0	.2							4.4	10.2	10.0
020-040	.2	1.1	2.3	2.4	1.1	.5	.2					7.7	15.1	15.0
050-070	.2	1.0	.6	.8	.2	.2	.2					3.1	12.6	11.0
(E) 080-100		.3	1.0	1.0	.3	.2	.2	.2				3.1	16.5	15.0
110-130	.2	1.0	1.9	1.5	1.1	.3		.2				6.1	14.9	14.5
140-160	1.6	4.8	5.3	2.7	1.6	.5	.2					16.8	11.9	11.5
(S) 170-190	3.2	4.2	.3	1.1	.5	.2						9.5	8.1	6.0
200-220	.6	2.4	1.9	1.0	.6	.2						6.8	10.9	10.0
230-250	1.6	2.3	2.4	1.5	1.6	.3	.5					10.2	12.8	11.0
(W) 260-280	.6	2.1	2.6	.8	.2							6.3	9.9	10.0
290-310	.8	.8	2.1	1.5	.6	.3	.2					6.3	12.8	12.0
320-340	.8	2.4	5.3	2.9	2.6	.3						14.4	13.4	12.0
VARIABLE														
CALM	////////////////////////////////////											5.5	////////	
TOTALS	10.6	23.5	27.0	18.2	10.6	3.0	1.5	.4				100.0	11.6	11.0
TOTAL NUMBER OF OBSERVATIONS 620														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.5	.5	1.4	1.2								3.5	11.7	12.0
020-040	.2	.9	1.6	2.1	1.9	.5	.2					7.5	16.2	16.0
050-070	.2	.9	.5	1.2	1.4		.2					4.4	15.3	16.0
(E) 080-100		.7	1.4	.7	.5		.2					3.5	13.7	13.0
110-130	.5	.7	2.3	1.4	1.2	.2						6.3	14.1	14.0
140-160	3.0	3.5	4.7	3.3	1.9	1.2	.5					18.0	12.7	12.0
(S) 170-190	3.5	3.0	.7		1.2							8.4	7.6	5.5
200-220	.7	2.1	3.0	.5	.2	.2						6.8	10.8	10.0
230-250	1.9	3.0	2.3	2.3	.7	.7						11.0	11.5	11.0
(W) 260-280	.7	2.3	1.4									4.4	7.8	8.0
290-310	.2	1.2	.9	.2	.9	.7	.2					4.4	15.2	13.0
320-340	1.6	1.6	4.4	3.7	3.7	.9	.2					16.4	14.8	15.0
VARIABLE														
CALM	////////////////////////////////////										5.4	////////////////////////////////		
TOTALS	13.0	20.4	24.6	16.6	13.6	4.4	1.5					100.0	12.0	12.0
TOTAL NUMBER OF OBSERVATIONS 428														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010			2.2	1.4	.3		.3						4.1	10.0	9.0
020-040			.8	2.7	1.6	3.3							8.4	15.9	16.0
050-070			1.1	2.7	.8	1.1							5.7	13.3	13.0
(E) 080-100			.3	1.9		.5							2.7	13.7	12.0
110-130		.3		1.6	1.6	2.7	.5	.3					7.0	17.8	19.0
140-160		.8	2.2	7.9	3.3	1.4	.8	.3					16.5	13.6	12.0
(S) 170-190		1.9	3.3	2.4	1.1	.8							9.5	10.1	9.0
200-220		1.4	2.2	1.6	1.1								6.2	9.0	9.0
230-250		1.9	1.4	1.4	.5	.8	.8	.3					7.0	12.0	10.0
(W) 260-280		1.1	1.4	1.6									4.1	8.1	9.0
290-310		.5		1.4	.3	.3							2.4	12.2	13.0
320-340		3.3	3.3	3.5	4.3	4.3	1.6						20.3	14.0	15.0
VARIABLE															
CALM		////////////////////////////////////											6.0	////////	
TOTALS		11.2	18.2	30.1	14.9	15.2	4.0	.9					100.0	12.2	12.0
TOTAL NUMBER OF OBSERVATIONS 369															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: ALL

		WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.6	1.0	1.4	.7	.2	.1	.0					3.9	10.6	10.0
020-040	.1	1.3	2.6	2.3	1.8	.4	.2					8.6	15.1	15.0
050-070	.3	1.2	1.3	.8	.5	.2	.1					4.4	13.0	12.0
(E) 080-100	.1	.6	1.3	.6	.5	.2	.2	.0				3.5	14.3	12.5
110-130	.4	1.0	2.0	1.7	1.3	.4	.1	.0				6.8	14.6	15.0
140-160	1.4	3.1	4.8	2.8	1.5	.5	.3	.0	.0			14.6	12.8	12.0
(S) 170-190	3.0	4.6	1.3	.6	.5	.1		.0				10.1	7.7	6.0
200-220	1.2	2.7	2.2	.8	.8	.2	.1	.0				8.0	10.9	10.0
230-250	1.5	2.0	2.3	1.6	1.2	.5	.2	.0				9.3	12.3	12.0
(W) 260-280	.9	1.8	1.9	.4	.3	.0						5.3	9.5	9.0
290-310	.6	.9	1.6	.9	.5	.2	.1					4.7	12.3	12.0
320-340	1.2	2.1	3.7	3.4	3.2	.8	.1					14.4	14.6	15.0
VARIABLE														
CALM	////////////////////////////////////											6.6	////////	
TOTALS	11.3	22.3	26.4	16.6	12.3	3.6	1.4					100.0	11.6	12.0

TOTAL NUMBER OF OBSERVATIONS 3971

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N)	350-010	.2	.5	2.8	1.0	.3	.2	.2					5.2	13.3	12.0
	020-040	.2	.3	2.6	2.6	3.7	.5	1.0					11.0	18.1	18.0
	050-070	.2	1.0	2.3	1.4	1.9	.7	.2					7.7	15.8	15.0
(E)	080-100		.5	1.4	1.4	.3	.3	.2					4.2	15.6	15.0
	110-130	.5	2.4	2.6	1.6	2.4	1.6						11.2	15.1	14.5
	140-160	.3	2.1	1.7	1.6	2.1	1.9	1.0	.2				11.0	18.0	18.0
(S)	170-190	1.0	.5	.5	.5	.7	.2						3.5	12.0	12.0
	200-220	.2	.5	.5	.5	.7							2.4	13.9	14.0
	230-250	.2	1.6	2.3	1.2	1.2	.2						6.6	13.3	12.0
(W)	260-280	.3	2.1	2.3	.5	.5	.2						5.9	11.1	10.0
	290-310	.5	.9	1.7	.5	.7	.3						4.7	12.9	12.0
	320-340	.7	3.5	4.0	4.9	5.2	2.4	.2					20.9	16.1	17.0
VARIABLE															
CALM		////////////////////////////////////										5.6	////////////////////////////////		
TOTALS		4.3	15.9	24.7	17.7	19.7	8.5	2.8	.2				100.0	14.5	15.0

TOTAL NUMBER OF OBSERVATIONS 573

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010		1.2	3.0	1.2	1.2	.3	1.2					8.1	16.7	14.0
020-040	.6	1.8	2.7	4.2	1.8		.3					11.4	14.4	16.0
050-070		2.1	2.1	1.5	.3	.3						6.3	12.1	10.0
(E) 080-100	.9	.9	.3	.9	1.5	.3	.3	.3				5.4	15.8	17.0
110-130	.3	.3	1.2	1.5	1.2	.9	1.2	.6				7.2	21.5	20.5
140-160	.3	3.0	3.9	2.7	1.2	1.2		.3	.3			12.9	14.8	12.0
(S) 170-190	4.8	3.6	1.8		.3							10.5	6.4	5.0
200-220	1.5	1.5				.6	.3					3.9	10.2	6.0
230-250	2.4	2.1	3.3	1.2								9.0	9.0	9.5
(W) 260-280	.6	.6	1.8	.3	.3							3.6	10.9	11.0
290-310	.6	.9	1.2	.3								3.0	8.6	9.0
320-340	1.2	1.5	3.6	2.1	1.5	.9						10.8	13.7	12.0
VARIABLE														
CALM	////////////////////////////////////										8.1	////////////////////////////////		
TOTALS	13.2	19.5	24.9	15.9	9.3	4.5	3.3	1.2	.3			100.0	12.1	12.0
TOTAL NUMBER OF OBSERVATIONS 334														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.9		2.7	1.5	.3		.3	.3			6.9	17.3	18.0
020-040		.9	3.0	3.6	1.8			.3				9.6	15.7	16.5
050-070	.9	2.4	2.1	.6	.3							6.3	9.0	9.0
(E) 080-100	.6	.9		1.5	.9	.3	.6		.3			5.1	17.5	18.0
110-130		.3	.6	2.1	2.1	.6		.3				6.0	19.3	19.0
140-160	.6	1.2	3.6	2.7	3.3	.9		.6				13.0	16.3	16.0
(S) 170-190	3.3	2.1	1.5		.6							7.5	6.9	5.0
200-220	2.1	3.0	.6			.6	.3					6.6	8.5	6.0
230-250		3.0	3.3	1.5								7.8	11.2	11.5
(W) 260-280	.9	1.8	2.1	.6	.9							6.3	10.6	10.0
290-310	.3	.9	.3	.3	.9							2.7	13.8	13.0
320-340		2.7	2.7	.9	2.4	1.5	.3					10.5	15.8	14.0
VARIABLE														
CALM	////////////////////////////////////											11.4	////////////////////////////////	
TOTALS	9.6	20.1	19.8	16.5	14.7	4.2	1.2	1.5	.6			100.0	12.1	13.0
TOTAL NUMBER OF OBSERVATIONS 332														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.8	2.6	1.6	.8	.2	.2					7.2	13.5	12.0
020-040	.6	2.4	1.8	2.4	1.2				.2			8.6	12.9	12.0
050-070	.6	1.4	1.6	.6	.8	.8	.2	.4				6.4	14.9	12.0
(E) 080-100		.4	.8	.8	1.2	.8	.6					4.6	19.3	20.0
110-130	.2	.6	1.8	.6	2.4	1.0	.6	.6				7.8	19.8	21.0
140-160	1.0	3.4	3.6	4.0	1.6	.4	.4	.2	.2			14.7	14.1	14.0
(S) 170-190	1.8	4.4	1.2	1.4	.6							9.4	8.8	6.0
200-220	1.0	2.8	1.0	.2	.6							5.6	8.5	6.5
230-250	2.0	1.8	4.4	.8								9.0	9.2	10.0
(W) 260-280	1.0	1.4	1.4	.6	.8							5.2	10.6	10.0
290-310	.8	1.4	2.0	1.0								5.2	9.9	10.0
320-340	.6	.4	3.2	1.2	1.6	.8	.2					8.0	15.1	14.0
VARIABLE														
CALM	////////////////////											8.6	////////	
TOTALS	9.6	22.2	25.4	15.2	11.6	4.0	2.2	1.2	.4			100.0	11.9	12.0
TOTAL NUMBER OF OBSERVATIONS 502														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.8	2.7	1.8	1.6	.2	.4					8.7	14.4	14.0
020-040	.5	2.5	3.2	3.0	.7	.4						10.2	12.9	14.0
050-070	1.1	1.1	2.3	.9	.7	.2						6.2	11.7	12.0
(E) 080-100	.7	.7	.7	1.1	1.1	1.2	.4	.4	.2	.2		6.5	19.5	20.0
110-130	.7	.9	1.4	1.9	1.4	.9	.5	.7				8.5	17.8	18.0
140-160	1.1	3.0	2.5	2.5	2.1	.4	.2					11.7	13.3	13.0
(S) 170-190	1.9	3.0	1.1	.5	.5							7.1	7.9	.0
200-220	.9	2.7	1.9	.9	.4							6.7	9.4	9.0
230-250	2.1	2.1	4.1	.9	.2							9.4	9.1	10.0
(W) 260-280	.7	1.9	.9	.7	.4	.4	.2					5.1	11.5	9.0
290-310	1.1	.9	1.9	.7	.9							5.5	11.7	12.0
320-340	1.2	1.4	2.8	2.3	1.6	.2	.2					9.7	13.4	14.0
VARIABLE														
CALM	////////////////////////////////////											4.8	////////////////////////////////	
TOTALS	12.4	22.0	25.5	17.2	11.6	3.9	1.9	1.1	.2	.2		100.0	12.2	12.0
TOTAL NUMBER OF OBSERVATIONS 566														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	2.5	2.5	1.9	1.1	.2	.4	.2				8.8	14.1	13.0
020-040	.7	1.6	3.4	3.2	.5	.5						9.9	13.3	14.0
050-070	.4	2.1	1.8	.5	.2	.2	.2					5.3	11.0	10.0
(E) 080-100	.5	.2	1.1		.5	1.4	.4	.4	.2			4.6	20.5	23.0
110-130	.2	1.1	.5	1.6	2.3	.2	.7	.2	.2			6.9	18.2	20.0
140-160	.9	3.9	3.7	3.4	1.6	.9	.5	.2				15.0	13.8	12.0
(S) 170-190	1.4	3.4	1.4	.7	.4							7.2	8.0	6.0
200-220	.7	1.9	1.2	.7	1.2							5.8	11.6	10.0
230-250	1.6	3.5	3.4	1.1	.5							10.1	9.4	9.0
(W) 260-280	.9	2.3	1.8	.5	.4							5.8	9.4	9.0
290-310	.5	1.8	1.8	1.4	.2	.4						6.0	11.7	10.0
320-340	.4	1.9	2.6	1.6	1.4		.4					8.3	13.2	12.0
VARIABLE														
CALM	////////////////////											6.3	////////	
TOTALS	8.4	26.2	25.2	16.6	10.3	3.8	2.6	1.0	.4			100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 567														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.2	1.6	3.3	.4	1.8	.2	.2					7.7	13.6	10.5
020-040		1.6	4.2	2.7	1.1	.4	.7	.2				10.9	15.3	14.0
050-070	.2	2.4	1.6	.5								4.7	9.8	9.0
(E) 080-100	.9	.7	1.1	.5	.5	.5	.7	.2	.9			6.2	19.9	18.0
110-130	.5	.9	1.1	.5	2.2	.5		.4				6.2	16.8	18.5
140-160	.9	3.3	6.4	1.8	1.3	.2						13.8	11.6	12.0
(S) 170-190	1.5	4.2	1.1			.2	.4					7.3	8.5	7.0
200-220	.2	3.1	1.1	.7	.9							6.0	10.7	9.0
230-250	1.3	4.0	4.2	1.8	1.1							12.4	10.6	10.0
(W) 260-280	.2	1.6	.7	.4								2.9	9.3	8.5
290-310	.4	1.1	1.3	1.3	.7	.4						5.1	13.5	14.0
320-340	1.3	2.0	4.0	1.8	.7	.5	.4					10.7	12.4	12.0
VARIABLE														
CALM	////////////////////////////////////											6.0	////////////////////////////////	
TOTALS	7.6	26.5	30.1	12.4	10.3	2.9	2.4	.8	.9			100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 549														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.5	2.0	.5	2.4	1.7	.5					8.6	17.7	20.0
020-040		2.0	3.4	1.7	1.2	1.5						9.8	14.6	14.0
050-070	.2	1.2	1.7	.2	.2							3.7	11.1	10.0
(E) 080-100	.2	1.0	1.2	.2	1.0	1.0	.5	.5				5.6	18.3	20.0
110-130	.2	.7	2.0	1.5	1.0	.7		.2	.7			7.1	18.6	15.0
140-160	1.0	4.6	5.1	1.2	.5			.5				13.0	10.9	10.0
(S) 170-190	2.0	6.6	1.2				.5	.2				10.5	8.6	7.0
200-220	1.5	2.9	1.7	.2	1.0	.2						7.6	9.6	8.0
230-250	.7	3.4	2.0	.7	.5							7.3	9.8	9.0
(W) 260-280	.2	2.7	1.0	.7	.7	.2						5.6	12.0	9.0
290-310		.5	.7	1.7	.5	.5						3.9	16.1	15.0
320-340	.5	3.4	2.7	2.0	2.4	.7						11.7	13.6	14.0
VARIABLE														
CALM	////////////////////											5.6	////////	
TOTALS	6.5	30.5	24.7	10.6	11.4	6.5	1.5	1.4	.7			100.0	12.4	12.0
TOTAL NUMBER OF OBSERVATIONS 409														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.9	1.2	3.0	2.1	.9	1.2	.3				9.9	19.0	18.0
020-040	.3	1.2	2.7	3.0	1.8	.6						9.6	14.9	15.0
050-070	1.2	2.1	2.7	.3	1.5							7.8	11.1	10.0
(E) 080-100		.9	.6	.3	.9	.9	.6					4.2	19.9	20.0
110-130	.3	.3	.9	1.2	.6	.6	.9	.9				5.7	21.4	22.0
140-160	.6	4.5	3.6	1.5	.3	.6	.9	.3	.6			12.9	14.5	11.0
(S) 170-190	3.9	5.4	.9	.3	.3		.3					11.1	6.8	5.0
200-220	1.2	2.4	.9	.3	.6	.3						5.7	9.5	8.0
230-250	1.2	1.5	2.1	.9	.3							6.0	9.9	10.0
(W) 260-280	.9	1.8	1.5	.6	1.2	.3						6.3	11.8	10.0
290-310	.3	.3	1.8	.6	.3							3.3	12.5	12.0
320-340	.3	1.2	3.9	2.1	1.5	.6						9.6	14.4	13.0
VARIABLE														
CALM	////////////////////											8.1	////////	
TOTALS	10.5	22.5	22.8	14.1	11.4	4.8	3.9	1.5	.6			100.0	12.5	12.0
TOTAL NUMBER OF OBSERVATIONS 334														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.6	2.3	1.6	1.5	.4	.4	.1	.0			8.2	15.5	14.0
020-040	.4	1.8	3.1	2.9	1.2	.4	.1	.1	.0			10.0	14.1	14.0
050-070	.6	1.8	1.9	.6	.5	.2	.1	.1				5.7	11.5	10.0
(E) 080-100	.5	.7	.8	.6	.9	.9	.5	.2	.2	.0		5.3	19.0	20.0
110-130	.3	.7	1.2	1.3	1.7	.7	.5	.5	.1			7.0	18.8	18.0
140-160	.8	3.4	4.1	2.5	1.5	.5	.3	.2	.1			13.4	13.5	12.0
(S) 170-190	2.3	4.0	1.3	.4	.3	.0	.1	.0				8.6	7.9	6.0
200-220	1.0	2.6	1.1	.4	.6	.2	.1					6.0	9.8	8.0
230-250	1.5	2.8	3.5	1.1	.4							9.2	9.7	10.0
(W) 260-280	.7	1.8	1.3	.6	.5	.1	.0					5.0	10.8	10.0
290-310	.5	1.0	1.4	1.0	.4	.2						4.6	12.1	12.0
320-340	.7	1.8	3.2	1.8	1.6	.6	.2					9.8	13.8	13.0
VARIABLE														
CALM	////////////////////											7.1	////////	
TOTALS	9.5	24.0	25.2	14.8	11.1	4.2	2.3	1.2	.4			100.0	12.1	12.0

TOTAL NUMBER OF OBSERVATIONS 3593

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.6	2.6	1.9	2.5		.8	.2				9.5	16.6	16.0
020-040	.6	2.2	3.1	2.8	1.2	.5	.2					10.5	13.6	14.0
050-070	.6	1.7	3.1	1.2	1.2	.2						8.1	12.4	12.0
(E) 080-100	1.1	.8	.5	1.7	2.5	2.2	.8	.6	.6	.2		10.9	21.6	21.5
110-130	.5	.6	1.7	2.6	4.0	1.9	1.7	.8	.2			14.0	20.7	20.0
140-160	.5	1.6	1.2	2.8	2.8	1.1	.5	.2				10.5	17.4	18.0
(S) 170-190	.8	1.7	.5	.6	.5		.2					4.2	10.3	7.0
200-220	1.1	1.4	.5									2.9	5.9	5.0
230-250	.9	2.0	1.9	.5	.2							5.4	9.5	9.0
(W) 260-280	.3	.5	.8	.9	.6		.2					3.3	14.8	16.0
290-310	.3	.6	1.4	1.1	.9	.8						5.1	15.6	15.0
320-340	1.1	1.9	2.3	2.2	2.9	.5						10.9	14.5	15.0
VARIABLE														
CALM	////////////////////////////////////											4.8	////////	
TOTALS	7.8	16.6	19.6	18.3	19.3	7.2	4.4	1.8	.8	.2		100.0	15.0	15.0

TOTAL NUMBER OF OBSERVATIONS 645



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.3	1.2	.9	.9	1.8	.3	.3					5.7	15.9	16.0
020-040			1.5	1.2	1.5	1.2							5.4	13.8	13.5
050-070		1.2	2.1	.9	1.5	.6	.3						6.6	11.0	9.5
(E) 080-100		.6	.3	.6	.9	.6	.3						3.3	14.5	16.0
110-130		.3	.6	.6	1.5	.9	1.8						5.7	18.1	19.0
140-160		1.2	2.4	5.1	1.2	3.0	.6	.3	.3				14.2	13.6	11.0
(S) 170-190		3.0	3.9	2.1	.3	.6							9.9	7.6	6.0
200-220		2.1	1.5	2.7									6.3	7.3	7.0
230-250		1.5	3.9	2.1	.6	.3							8.4	8.4	8.0
(W) 260-280			1.5	.6	.3	1.2	.9	.3					4.8	17.6	20.0
290-310		.3	.9	.6	2.1	.9	.3	.6					5.7	16.5	17.0
320-340		1.5	2.1	3.3	2.7	3.3	.3	.9					14.2	15.0	16.0
VARIABLE															
CALM		////////////////////////////////////											9.6	////////////////////////////////	
TOTALS		12.0	21.9	20.7	13.5	14.4	4.8	2.4	.3				100.0	11.7	11.0
TOTAL NUMBER OF OBSERVATIONS 332															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6		1.8	.9	.9							4.2	13.3	12.0
020-040	.6	2.1	.9	1.2	1.5							6.4	12.8	11.0
050-070	1.8	.6	1.8	2.1	.3							6.7	11.3	12.0
(E) 080-100	.3	.3	.6		.9	.3	.3					2.7	17.1	22.0
110-130		.6	.6	.3	.9	1.5	.3					4.2	19.9	22.0
140-160	.9	3.6	3.0	1.8	2.7	.6	.6					13.3	14.0	13.5
(S) 170-190	2.4	5.5	.6	.3	.3	.3						9.4	7.1	6.0
200-220	.9	3.0	.9	.6	.3							5.8	9.2	8.0
230-250	1.5	1.2	2.4	1.5								6.7	9.2	10.0
(W) 260-280	1.8	.9	1.2	1.8	1.8	.3	.6					8.5	13.8	15.0
290-310	1.2	1.5	.9	.9	.6	.6			.3			6.1	12.9	10.5
320-340		2.4	3.3	3.0	4.2	.9						13.9	16.2	17.5
VARIABLE														
CALM	////////////////////////////////////											12.1	////////	
TOTALS	12.0	21.7	18.0	14.4	14.4	4.5	1.8		.3			100.0	11.3	12.0
TOTAL NUMBER OF OBSERVATIONS 330														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.6	.9	1.9	1.7	1.3	.2						6.6	13.5	14.0
020-040		1.5	1.5	.4	.9	.6			.2			5.1	15.0	10.0
050-070	.4	1.7	.9	1.1	.4	.6	.2					5.3	13.1	10.0
(E) 080-100	.2	.2	2.5	1.3	.9		.2					5.3	14.9	14.0
110-130	.6	1.1	.6	.9	.2	.2	.4	.2	.2			4.4	15.2	13.0
140-160	2.7	3.0	3.4	1.7	.9			.4	.2			12.3	11.0	10.0
(S) 170-190	2.1	2.7	.6	.2								5.5	6.2	5.0
200-220	2.3	3.6	1.9	1.5	.4							9.7	8.8	7.0
230-250	1.9	3.2	3.4	1.9	.4	.4						11.2	10.4	10.0
(W) 260-280	1.3	1.7	2.1	1.5	1.1	.4						8.1	12.0	10.0
290-310	.8	2.1	.6	1.5	.4	.2	.6					6.1	12.5	10.0
320-340	.9	1.1	2.8	3.2	2.3	.4						10.8	14.2	15.0
VARIABLE														
CALM	////////////////////////////////////										9.7	////////////////////////////////		
TOTALS	13.8	22.8	22.2	16.9	9.2	3.0	1.4	.6	.6		100.0	10.8	10.0	
TOTAL NUMBER OF OBSERVATIONS 528														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	2.4	2.2	1.3	.8		.3					7.3	12.8	12.0
020-040	.2	1.3	1.7	.7	1.3	.3						5.6	14.2	14.0
050-070	1.3	2.0	1.2	1.0	.7	.5	.2					6.9	11.6	10.0
(E) 080-100		.2	1.5	1.3		.3						3.4	15.4	14.5
110-130	.5	.5	1.2	.7	.7		.2		.3			4.0	15.7	13.0
140-160	.8	1.9	3.7	2.0	1.5	.5						10.5	12.5	10.0
(S) 170-190	2.0	3.7	1.0									6.7	6.3	6.0
200-220	.8	4.0	3.0	.8	.3							9.1	9.0	8.5
230-250	2.4	4.6	2.5	.8	.8							11.1	9.0	8.0
(W) 260-280	1.9	2.4	.8	.7	.7	.3						6.7	10.0	7.0
290-310	.8	1.5	2.0	1.2	1.2	.3	.3					7.4	13.3	12.0
320-340	1.2	1.3	2.4	2.7	1.9	.7	.3					10.5	14.5	15.0
VARIABLE														
CALM	////////////////////											10.8	////////	
TOTALS	12.1	25.8	23.2	13.2	9.9	2.9	1.3		.3			100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 593														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.2	1.7	2.2	1.0	.5	.2	.5					6.4	13.6	12.0
020-040	.3	.7	1.0	1.2	1.0	1.6						5.9	17.1	15.0
050-070	1.4	1.0	2.2	1.4	.2	.2						6.4	10.7	11.0
(E) 080-100	1.0	.7	2.4	1.4	.7							6.2	11.3	12.0
110-130	.2	1.9	1.0	.9	.5			.3	.2			5.0	13.8	10.0
140-160	.5	2.1	3.6	2.6	1.2	.2	.2					10.4	12.7	10.5
(S) 170-190	1.4	3.3	1.6	.5								6.7	7.9	8.0
200-220	1.6	4.0	3.3	.7	.2							9.7	8.4	7.5
230-250	1.4	3.8	2.9	1.6	.5							10.2	9.7	9.0
(W) 260-280	1.7	1.9	1.4	.7	.9	.3						6.9	10.3	9.0
290-310	1.6	1.9	2.2	1.7	.9	.3		.3				9.0	12.5	10.0
320-340		2.8	2.1	3.3	1.7	.9	.2					10.9	14.4	15.0
VARIABLE														
CALM	////////////////////////////////////											6.4	////////////////////////////////	
TOTALS	11.3	25.8	25.9	17.0	8.3	3.7	.9	.6	.2			100.0	11.0	10.0
TOTAL NUMBER OF OBSERVATIONS 579														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.2	1.2	3.0	2.0	1.4							7.8	13.3	12.5
020-040	.4	.5	2.1	1.2	1.2	.5						6.0	15.3	14.5
050-070	1.2	2.7	1.8	.4	.4	.4						6.8	9.9	8.5
(E) 080-100	.9	1.6	1.4	2.5	.5	.5						7.5	12.5	13.5
110-130	.2	1.2	1.6	.9	.2			.2	.4			4.6	14.5	10.0
140-160	.5	3.6	5.9	2.0	.2		.2					12.3	10.8	10.0
(S) 170-190	.2	2.5	1.1	.5	.5							4.8	10.1	9.0
200-220	.5	3.4	3.2	.4	.5							8.0	9.4	10.0
230-250	1.4	3.9	2.1	2.1		.4						10.0	9.9	8.5
(W) 260-280	.9	1.4	1.4	1.4	1.1	.4						6.6	12.3	12.0
290-310	.5	2.1	2.5	2.0	1.4	.2	.4					9.1	13.5	12.0
320-340	.9	1.6	2.5	4.4	1.4	.7	.2	.2				11.9	14.6	15.0
VARIABLE														
CALM	////////////////////////////////////											4.6	////////////////////////////////	
TOTALS	7.8	25.7	28.6	19.8	8.8	3.1	.8	.4	.4			100.0	11.6	10.0
TOTAL NUMBER OF OBSERVATIONS 562														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	1.0	2.2	1.7								5.6	11.0	13.0
020-040	.5	.7	1.0	2.2	1.5	1.0						6.8	16.6	18.0
050-070	1.5	.7	1.7	.7	.2							4.9	9.5	10.0
(E) 080-100	1.2	.5	.5	.7	1.0		.2					4.2	12.4	12.0
110-130	.5	1.7	.7	1.5	.7	.7		.2				6.1	14.3	15.0
140-160	1.7	6.1	3.7	3.4	.7	.2	.2					16.1	10.8	10.0
(S) 170-190	3.7	3.4	.5									7.6	5.3	5.0
200-220	1.2	4.2	1.7	1.2	.5							8.8	9.3	8.0
230-250	1.0	2.4	1.0	1.0	.2	.2						5.9	10.0	8.5
(W) 260-280	.5	1.2	.7	.7	.7	.5	1.2					5.6	17.4	18.0
290-310	.5	1.7	.5	2.4	1.0	.2						6.4	13.7	15.0
320-340		1.2	7.3	3.2	2.0	.7	.5					14.9	15.1	14.0
VARIABLE														
CALM	////////////////////////////////////										7.1	////////////////////////////////		
TOTALS	13.0	24.8	21.5	18.7	8.5	3.5	2.1	.2				100.0	11.3	11.0
TOTAL NUMBER OF OBSERVATIONS 409														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010		1.2	2.1	.6	.6							4.5	12.7	12.0
020-040		1.5	1.2	2.1	1.5	.9						7.2	16.7	17.5
050-070		2.4	1.2	1.5	.3							5.4	11.8	10.0
(E) 080-100		.3	.6	.6	.9	.6						3.0	18.1	18.5
110-130	.3		1.5	1.5	.3	.9	.6	.3				5.4	18.8	16.0
140-160	1.5	3.0	6.3	2.1	2.4	.6		.6				16.5	13.4	12.0
(S) 170-190	5.4	5.4	.9									11.7	5.6	5.0
200-220	1.2	3.3	2.7	.9	.3							8.4	9.4	9.0
230-250	.9	1.2	1.8	1.2	.6							5.7	11.1	10.0
(W) 260-280	1.2	1.2	.3	.6	2.1	.6	1.5					7.5	17.2	20.0
290-310	.3	.3	.6	.9	.9	.6	.6					4.2	18.6	19.0
320-340	.9	.6	2.4	4.5	2.7	.3	.3					11.7	15.7	16.0
VARIABLE														
CALM	////////////////////////////////////										8.7	////////////////////////////////		
TOTALS	11.7	20.4	21.6	16.5	12.6	4.5	3.0	.9				100.0	12.2	12.0
TOTAL NUMBER OF OBSERVATIONS 333														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		.3	1.3	2.1	1.3	.9	.1	.2					6.3	13.2	12.0
020-040		.2	1.2	1.4	1.2	1.3	.7			.0			6.0	15.3	15.0
050-070		1.1	1.7	1.5	1.1	.4	.3	.1					6.2	11.1	10.0
(E) 080-100		.5	.5	1.4	1.2	.7	.2	.1					4.7	13.7	14.0
110-130		.3	1.0	1.0	1.0	.5	.5	.2	.2	.2			4.9	15.9	15.0
140-160		1.2	3.1	4.3	2.1	1.4	.3	.2	.1	.0			12.8	12.2	10.0
(S) 170-190		2.3	3.6	1.0	.2	.2	.0						7.3	6.9	6.0
200-220		1.3	3.5	2.5	.8	.3							8.5	8.9	8.0
230-250		1.6	3.2	2.4	1.4	.4	.1						9.1	9.7	9.0
(W) 260-280		1.2	1.6	1.1	1.0	1.1	.4	.4					6.9	13.0	12.0
290-310		.8	1.6	1.4	1.6	.9	.3	.3	.1	.0			7.0	13.6	12.5
320-340		.7	1.7	3.1	3.4	2.3	.6	.3	.0				12.1	14.9	15.0
VARIABLE															
CALM		////////////////////////////////////										8.4	////////		
TOTALS		11.5	24.0	23.2	16.3	10.4	3.5	1.8	.4	.2			100.0	11.2	10.0

TOTAL NUMBER OF OBSERVATIONS 3666

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N)	350-010	.2	1.6	4.5	2.2	1.3	.3	.2					10.2	13.9	13.0
	020-040	.5	2.4	3.5	1.6	.6	.3			.2			9.1	12.3	11.0
	050-070	1.6	3.2	4.5	2.5	.5	.3	.2					12.7	11.4	11.5
(E)	080-100	.3	.3	2.4	4.6	2.5	.6	.2					11.0	16.9	18.0
	110-130	.2	1.1	1.4	.8	1.1	2.2	.5	.6	.2			8.1	20.3	22.0
	140-160	.3	.6	1.8	1.8	4.1	1.1	.3	.5				10.5	18.7	20.0
(S)	170-190	.8	.8			.3	.2						2.1	8.9	5.0
	200-220		1.1	1.3	.3	.2							2.9	10.7	10.0
	230-250	.6	1.0	.3	.3	.2	.2						2.5	9.3	6.5
(W)	260-280	.6	.8	.5	.3	1.0	.2						3.3	12.4	10.0
	290-310	.5	.5	.6	1.3	1.8		.5	.2				5.3	17.2	18.0
	320-340	.6	1.9	3.2	4.0	4.0	1.6	.3					15.6	16.3	16.5
VARIABLE															
CALM		////////////////////////////////////										6.7	////////////////////////////////		
TOTALS		6.2	15.3	24.0	19.7	17.6	7.0	2.2	1.3	.4			100.0	14.0	15.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	1.1	.8	1.1							5.3	11.7	10.0
020-040	.6		.6	.3								1.4	8.8	10.0
050-070	1.7	.8	.8	.8	.3	.3	.6					5.3	12.4	10.0
(E) 080-100	.3	1.1	2.0	1.1	.6		.3					5.3	13.7	13.0
110-130	.3	.8	.6	.8		.6		.3				3.4	15.4	14.5
140-160	1.1	4.5	4.5	2.5	1.7	.8	.6	.3				15.9	13.5	13.0
(S) 170-190	2.5	3.6	1.7									7.8	6.6	6.0
200-220	4.2	2.2	.3									6.7	4.4	4.0
230-250	2.0	4.2	2.0	.8	.8							9.8	9.6	8.0
(W) 260-280	1.4	2.0	2.8	.3	.8							7.3	10.5	10.0
290-310		1.1	1.7	.3	.6							3.6	11.5	10.0
320-340	1.4	2.8	6.4	3.4	4.5	.3	.3					19.0	14.2	14.0
VARIABLE														
CALM	////////////////////////////////////											9.2	////////	
TOTALS	16.6	24.2	24.5	11.1	10.4	2.0	1.8	.6				100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 358														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.2	1.5	1.0	1.2							5.9	12.3	11.5
020-040	.2		.7	1.2								2.2	13.0	15.0
050-070	1.0	1.2	1.0	1.2								4.4	9.6	9.0
(E) 080-100	.2	.2	.2	1.2	.2							2.2	14.7	16.0
110-130	.5	.2	.7	.7	1.0	.5						3.7	16.1	16.0
140-160	2.0	4.2	7.2	2.7	1.0		1.0					18.0	11.7	11.0
(S) 170-190	2.2	2.5	1.7		.2							6.7	7.1	7.0
200-220	2.0	2.5	1.2		.2							5.9	7.4	7.0
230-250	.7	1.5	4.2	.7	.7							7.9	11.4	12.0
(W) 260-280	2.0	3.7	4.0	1.2	.5							11.4	9.2	9.0
290-310	.2	.2	1.2	.5	.5							2.7	13.0	12.0
320-340	1.7	3.0	4.4	5.4	3.2	1.0						18.8	14.1	15.0
VARIABLE														
CALM	////////////////////											10.1	////////	
TOTALS	13.7	20.4	28.0	15.8	8.7	1.5	1.0					100.0	10.3	12.0
TOTAL NUMBER OF OBSERVATIONS 405														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.6	1.2	1.9	1.5	1.2	.2						6.5	13.0	13.0
020-040	.2		1.3	.2								1.7	10.9	11.0
050-070	.8	1.3	1.5	.6	.4	.2						4.8	11.1	10.0
(E) 080-100		.2	.2	.6	.4							1.3	16.6	17.0
110-130	.6	.6	1.7	1.3	.6							4.8	12.6	12.0
140-160	2.1	4.0	3.8	3.3	1.2				.6			15.0	12.1	10.0
(S) 170-190	3.3	4.0	.4	.2	.2							8.1	5.6	5.0
200-220	1.0	2.5	1.5	.8								5.8	8.3	8.0
230-250	1.3	2.9	2.9	2.1	.6	.2						10.0	10.4	10.0
(W) 260-280	1.3	3.1	2.9	1.7	.4	.2						9.6	10.3	10.0
290-310	1.0	1.2	1.3	.8	1.2	.4						5.8	12.3	12.0
320-340	2.5	1.9	5.0	3.8	4.8	.6						18.7	13.6	14.0
VARIABLE														
CALM	////////////////////////////////////										7.9	////////////////////////////////		
TOTALS	14.7	22.9	24.4	16.9	11.0	1.8			.6			100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 520														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.6	1.1	1.9	1.7	1.5		.2					7.1	14.2	14.0
020-040		.6	.4	.6	.4	.2							2.1	9.5	10.0
050-070		.6	.6	1.9	.4	.2							3.6	10.9	12.0
(E) 080-100			.8	1.1		.8	.4						3.1	14.3	10.5
110-130			.4	1.7	1.3	1.1							4.6	14.9	15.5
140-160		1.3	5.2	4.2	3.6	.6	.4	.6					15.9	11.7	10.0
(S) 170-190		1.1	3.3	1.5	.4	.2	.2						6.7	8.3	7.0
200-220		.4	2.1	2.3	.6								5.4	9.8	10.0
230-250		3.3	4.0	4.2	.6	.2							12.2	7.9	8.0
(W) 260-280		1.9	2.3	2.3	1.7	.2							8.4	9.4	9.5
290-310		1.3	1.3	2.3	1.7	1.0							7.6	11.2	10.0
320-340		.8	2.5	5.2	3.8	4.0	.4						16.6	14.2	14.0
VARIABLE															
CALM		////////////////////////////////////										6.7	////////////////////////////////		
TOTALS		11.9	24.0	29.2	16.2	10.0	1.4	.8					100.0	10.6	10.0
TOTAL NUMBER OF OBSERVATIONS 523															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.2	2.2	.4	1.2	.6						5.7	14.0	12.0
020-040														
050-070	1.2	2.2	2.4	.4	.4							6.5	9.2	8.0
(E) 080-100	1.0	1.6	1.0	.4	.4	.4	.4					5.1	11.7	9.0
110-130	.2	2.4	1.4	1.4	.4	.4						6.1	11.9	12.0
140-160	.2	3.2	6.5	4.3	1.0	.2						15.4	12.4	11.0
(S) 170-190	.6	2.0	1.8	1.0	.2	.2						5.7	10.5	10.0
200-220	.2	.8	1.0	.4								2.4	9.8	10.0
230-250	2.2	2.4	5.5	1.6	.4							12.1	10.0	10.0
(W) 260-280	1.8	2.2	1.4	1.6	.4							7.3	9.4	8.0
290-310	.2	2.8	4.2	2.2	1.2							10.5	12.0	12.0
320-340	1.0	3.2	5.1	5.1	4.0	.8						19.2	14.1	15.0
VARIABLE														
CALM	////////////////////											4.0	////////	
TOTALS	8.8	24.0	32.5	18.8	9.6	2.6	.4					100.0	11.3	11.0
TOTAL NUMBER OF OBSERVATIONS 506														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3	1.7		.6	.3						3.3	12.6	10.0
020-040	.6		1.1	.3								1.9	10.9	12.0
050-070	1.7	3.0	1.7	.6	.3	.6						7.8	9.8	8.5
(E) 080-100	.8	1.4	1.4	.3	1.1			.3				5.3	12.8	11.0
110-130	.3	.6	.6	.8	1.1	.3			.6			4.2	18.9	18.0
140-160	1.1	4.4	6.1	1.4	1.9	.3	.8	.3				16.3	12.8	12.0
(S) 170-190	3.0	3.3	1.1									7.5	6.0	6.0
200-220	1.4	3.3	1.1	.3								6.1	7.0	7.0
230-250	3.3	1.7	.8	.6	.6	.3						7.2	8.5	5.0
(W) 260-280	1.1	2.2	.3	1.4	1.1		.3					6.4	11.7	8.0
290-310	.6	.8	1.7	1.4	.3							4.7	11.7	13.0
320-340	2.5	4.4	6.1	6.4	2.8	.3						22.4	12.6	12.0
VARIABLE														
CALM	////////////////////											6.9	////////	
TOTALS	17.0	25.4	23.7	13.5	9.8	2.1	1.1	.6	.6			100.0	10.6	10.0
TOTAL NUMBER OF OBSERVATIONS 361														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.0	1.5	.5	.3	.3						4.3	11.1	10.0
020-040	.8	.3	.5		.5							2.0	10.8	9.0
050-070	1.3	4.3	.8	.5	.3							7.1	7.8	6.5
(E) 080-100	2.0	1.8	1.5	1.0	1.5	.3						8.1	11.6	11.5
110-130	.5	1.0	.8	1.0	.3	1.0						4.6	14.2	13.5
140-160	1.8	4.3	4.3	3.6	1.5		.5					16.0	12.0	10.0
(S) 170-190	.5	1.0	1.3									2.8	8.7	8.0
200-220	.5	2.8	2.0	.3								5.6	8.8	8.5
230-250	3.1	2.0	2.3	1.8	.3							9.4	9.0	8.0
(W) 260-280	1.3	1.5	2.5	1.0	.5							6.9	10.5	10.0
290-310	.8	.8	1.8	3.1	2.0	.3						8.7	14.9	15.0
320-340	1.0	3.1	7.6	5.6	3.1	.8						21.1	13.8	14.0
VARIABLE														
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	14.4	23.9	26.9	18.4	10.3	2.7	.5					100.0	11.3	10.0
TOTAL NUMBER OF OBSERVATIONS 393														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.2	.8	1.0	.6	1.2	.6						4.5	15.7	15.0
020-040	.6	.2	.6	.2								1.6	8.0	9.5
050-070	1.8	5.1	1.4	.4	.8							9.6	8.4	7.0
(E) 080-100	1.2	2.9	1.2	.6	1.0	1.0						7.9	12.0	9.0
110-130	.2	1.6	1.4	1.0	.2							4.5	11.0	10.0
140-160	.4	3.3	5.5	3.7	.8							13.6	12.0	12.0
(S) 170-190	.8	2.9	1.8	.6								6.1	8.6	8.0
200-220	.2	1.0	1.0	.6								2.9	10.1	10.0
230-250	1.2	4.3	3.3	2.4	.2							11.4	10.0	10.0
(W) 260-280	.6	2.4	2.4	1.8				.2				7.5	11.4	12.0
290-310	.4	1.2	2.6	3.5	1.4							9.2	13.7	15.0
320-340	.8	1.2	6.5	4.7	4.5	.6						18.3	14.9	15.0
VARIABLE														
CALM	////////////////////////////////////											2.9	////////////////////////////////	
TOTALS	8.4	26.9	28.7	20.1	10.1	2.2		.2				100.0	11.5	11.0

TOTAL NUMBER OF OBSERVATIONS 491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.0	1.6	.9	1.1	.3	.0					5.5	13.3	12.0
020-040	.4	.1	.7	.3	.1							1.6	10.4	10.0
050-070	1.2	2.3	1.5	.6	.3	.1	.1					6.1	9.6	8.0
(E) 080-100	.7	1.2	1.0	.6	.7	.3	.1	.0				4.7	12.7	12.0
110-130	.3	1.0	1.2	1.1	.6	.3		.0	.1			4.6	13.9	13.0
140-160	1.2	4.1	5.2	3.2	1.2	.2	.4	.1	.1			15.7	12.2	11.0
(S) 170-190	1.7	2.8	1.4	.3	.1	.1						6.4	7.5	7.0
200-220	1.1	2.1	1.3	.4	.0							4.9	8.0	8.0
230-250	2.1	2.9	3.3	1.4	.4	.1						10.2	9.6	10.0
(W) 260-280	1.4	2.4	2.3	1.4	.4	.0	.0	.0				8.2	10.2	10.0
290-310	.6	1.2	2.2	1.7	1.0	.1						6.8	12.6	13.0
320-340	1.4	2.7	5.7	4.7	3.9	.6	.0					19.1	13.9	14.0
VARIABLE														
CALM	////////////////////											6.2	////////	
TOTALS	12.7	23.8	27.4	16.6	9.8	2.1	.6	.1	.2			100.0	10.8	10.0

TOTAL NUMBER OF OBSERVATIONS 3557

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.0	2.1	1.0	3.3	.5	.2					8.9	15.7	16.0
020-040	.3	.3	.5									1.2	7.9	9.0
050-070	1.4	2.4	3.8	1.9	1.2	.2						10.8	11.9	12.0
(E) 080-100	1.0	1.2	2.1	2.1	3.9	1.2	.5					12.0	16.8	18.0
110-130	.2	.9	1.2	2.2	1.5	1.5		.2	.3			8.1	19.1	18.0
140-160	.9	2.9	1.2	1.2	1.7	.2	.7	.3				9.1	14.2	12.0
(S) 170-190	.9	.5	.7		.2							2.2	7.9	8.0
200-220	.5	1.0	.5		.2							2.2	7.8	7.0
230-250	2.1	1.4	1.5	.2	1.0	.2						6.3	10.1	9.0
(W) 260-280	2.2	1.0	2.6	1.4	.9							8.1	10.7	12.0
290-310		.7	1.5	1.4	.9							4.5	13.9	14.0
320-340	.5	2.2	6.5	5.1	6.9	.9						22.1	15.8	16.0
VARIABLE														
CALM	////////////////////////////////////											4.5	////////	
TOTALS	10.9	15.5	24.2	16.5	21.7	4.7	1.4	.5	.3			100.0	13.6	14.0

TOTAL NUMBER OF OBSERVATIONS 583

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.3	2.4	.3	.3								4.3	6.7	6.0
020-040		.5	.5	.3								1.3	10.4	10.0
050-070	.8	1.9	1.1	.3								4.0	8.1	8.0
(E) 080-100	.5	1.3	1.1	.5	.3							3.8	9.8	10.0
110-130	.8	.5	1.1	.3								2.7	8.8	9.5
140-160	3.8	6.2	5.6	2.4	1.3	.8	.3					20.4	10.4	10.0
(S) 170-190	6.2	5.1	3.2	.3								14.8	6.3	5.0
200-220	2.2	5.4	1.6	.8								9.9	7.5	7.0
230-250	2.4	2.4	3.5									8.3	7.7	8.0
(W) 260-280	1.1	1.6	1.1									3.8	6.9	8.0
290-310	.8	.5	1.3	.5								3.2	8.8	10.0
320-340	.8	3.5	1.3	1.9	.5	.3						8.3	10.9	8.0
VARIABLE														
CALM	////////////////////////////////////											15.1	////////	
TOTALS	20.7	31.3	21.7	7.6	2.1	1.1	.3					100.0	7.3	8.0
TOTAL NUMBER OF OBSERVATIONS 372														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.9	.7		.2							4.3	6.4	6.0
020-040		1.0	.7									1.7	9.1	8.0
050-070	.2	.5	.7	.7	.5							2.7	12.5	12.0
(E) 080-100	.7	.5	1.2	.5								2.9	8.4	10.0
110-130	.2	.7	1.0	.7								2.7	11.4	12.0
140-160	3.9	4.3	3.9	3.1	1.7	.7	.2					17.8	11.1	10.0
(S) 170-190	5.3	8.0	1.9	.2	.2							15.7	6.3	5.0
200-220	3.1	2.7	1.9	.2								8.0	6.6	6.0
230-250	1.7	5.3	3.6	1.2	.2	.2						12.3	9.2	8.0
(W) 260-280	2.4	1.7	.7									4.8	6.0	5.0
290-310	.5	.2	1.0	.5								2.2	10.1	12.0
320-340	1.9	3.6	1.7	1.0								8.2	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											16.9	////////////////////////////////	
TOTALS	21.3	30.4	19.0	8.1	2.8	.9	.2					100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 415														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.7	.4	.2								3.2	7.5	7.0
020-040	.6	.2	.9	.4								2.1	9.6	10.0
050-070	1.1	1.5	.9									3.6	7.1	8.0
(E) 080-100	1.1	1.1	.8	.2								3.2	7.2	7.0
110-130	.2	.4	2.6	.6		.2						3.9	11.6	11.0
140-160	2.3	4.3	4.7	1.	1.5	.9	.2					15.8	11.7	10.0
(S) 170-190	6.0	8.8	2.1	.8	.4							18.0	6.6	6.0
200-220	1.7	4.5	2.1	.6								8.8	7.5	7.0
230-250	2.8	4.3	3.0	1.7								11.8	8.2	7.0
(W) 260-280	1.3	2.4	1.1									4.9	6.8	7.0
290-310	.6	.9	1.5	1.3								4.3	11.0	12.0
320-340	.8	1.7	2.4	.6								5.4	9.3	10.0
VARIABLE														
CALM	////////////////////											15.0	////////	
TOTALS	19.4	31.8	22.5	8.3	1.9	1.1	.2					100.0	7.4	8.0
TOTAL NUMBER OF OBSERVATIONS 533														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.1	.7	.2	.4							3.0	9.5	8.5
020-040		1.7	.6		.2	.4						2.8	11.3	9.0
050-070	2.4	1.8	1.5	.2	.2							6.1	7.3	5.0
(E) 080-100	1.7	2.4	.7	.6	.2							5.5	7.5	6.0
110-130	.6	1.8	.6	.9	.6							4.4	11.2	9.0
140-160	1.5	7.2	5.2	2.6	1.5	.2	.9					19.0	11.6	10.0
(S) 170-190	.6	5.0	3.0	.9	.2							9.6	9.3	8.0
200-220	.6	5.9	2.8	.9								10.1	8.7	8.0
230-250	1.7	3.7	4.4	1.3	.2							11.3	8.9	10.0
(W) 260-280	1.7	2.4	.7	.6								5.4	6.7	6.0
290-310	.7	1.3	2.0	.7								4.8	9.7	10.0
320-340	2.4	2.2	3.3	.6								8.5	8.1	8.5
VARIABLE														
CALM	////////////////////////////////////											9.6	////////////////////////////////	
TOTALS	14.5	36.5	25.5	9.5	3.5	.6	.9					100.0	8.4	8.0
TOTAL NUMBER OF OBSERVATIONS 542														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.0	1.9	2.3	.4								5.6	8.2	8.0
020-040			1.2	1.3			.2	.2	.2				3.1	13.3	10.0
050-070		1.3	4.4	1.3	.6								7.7	7.3	7.0
(E) 080-100		3.5	3.6	1.3	.6	.4	.4						9.3	7.8	6.0
110-130		.4	1.7	1.9	.4	.2	.2						4.8	10.3	10.0
140-160		.6	6.7	7.9	3.3	.6	.2	1.3					20.5	12.5	10.0
(S) 170-190		.8	3.8	2.9	.4	.2							8.1	8.8	8.0
200-220		.8	2.1	2.3	.8	.2							6.1	10.2	10.0
230-250		1.9	3.5	5.4	2.3	.2							13.2	9.9	10.0
(W) 260-280		.2	1.0	1.2	.6								2.9	10.0	10.0
290-310		1.0	1.5	3.3	.2								6.0	8.7	10.0
320-340		1.0	2.9	4.2	.4								8.4	9.0	1.0
VARIABLE															
CALM		////////////////////////////////////										3.8	////////////////////////////////		
TOTALS		12.5	34.3	35.3	10.0	1.8	1.0	1.5	.2				100.0	9.4	10.0
TOTAL NUMBER OF OBSERVATIONS 521															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.0	2.8	.4	.4	.2						5.1	11.7	11.0
020-040		1.2	1.0	.4	.2	.4						3.1	13.1	11.5
050-070	.8	5.1	2.6	.6								9.0	8.2	7.0
(E) 080-100	2.8	4.1	1.8	.4	.2	.2						9.4	7.5	6.0
110-130	.4	2.2	2.0	.8	.2							5.5	9.9	10.0
140-160	1.0	5.9	10.8	2.9	1.0	.2	.2					22.0	11.6	10.0
(S) 170-190		3.3	2.4	.4	.2							6.3	9.8	9.0
200-220	.4	1.0	4.1	.6	.2							6.3	10.8	10.0
230-250	.8	3.9	5.5	1.0	.2							11.4	9.7	10.0
(W) 260-280	.2	1.2	.8	1.2								3.3	10.6	10.0
290-310		1.6	1.2									2.8	8.9	9.0
320-340	.4	4.9	5.9	1.6								12.8	10.0	10.0
VARIABLE														
CALM	////////////////////											2.9	////////	
TOTALS	7.2	35.4	40.9	10.3	2.6	1.0	.2					100.0	9.8	10.0
TOTAL NUMBER OF OBSERVATIONS 509														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	2.5	2.2		1.0							6.5	9.5	9.5
020-040	.2	1.0	1.7		.2							3.2	9.9	10.0
050-070	1.7	5.2	.5					.2				7.7	7.0	6.0
(E) 080-100	2.2	4.5	1.7	.2								8.7	7.0	6.0
110-130	1.0	2.0	.5					.2				3.7	8.1	7.0
140-160	1.2	7.9	10.9	1.0	.5	.2	.5					22.3	10.3	10.0
(S) 170-190	1.0	6.5	1.5									8.9	7.6	8.0
200-220	.5	3.2	2.5	1.5	.2							7.9	10.4	11.0
230-250	.2	4.2	2.7	.2		.2						7.7	9.3	9.0
(W) 260-280	.7	2.0	1.7	.5								5.0	9.2	8.0
290-310	.5		.2	.5	.2							1.5	12.2	14.5
320-340	.7	5.7	6.0	1.7	.2							14.4	10.1	10.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	10.6	44.7	32.1	5.6	2.3	.4	.9					100.0	9.0	8.0
TOTAL NUMBER OF OBSERVATIONS 403														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.5	3.5	1.6									5.7	8.0
020-040		.8										.8	6.3
050-070	1.1	3.8	1.6	.3								6.7	7.4
(E) 080-100	3.2	.5	2.4									6.2	7.0
110-130	.3	1.3	2.2	.3				.3				4.3	11.6
140-160	4.0	8.6	6.7	2.2	.5	.3			.5			22.9	9.8
(S) 170-190	2.7	5.4	2.2	.3								10.5	6.8
200-220	1.6	2.7	3.0	.3								7.5	8.0
230-250	1.1	2.2	4.9	1.1								9.2	9.5
(W) 260-280	.3	.8	1.3									2.4	9.0
290-310		1.6	.5									2.2	7.1
320-340	1.9	5.1	2.4	2.2	.5							12.1	9.9
VARIABLE													
CALM	////////////////////										9.4	////////////////	
TOTALS	16.	36.3	28.8	6.7	1.0	.3		.3	.5			100.0	7.9
TOTAL NUMBER OF OBSERVATIONS 371													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.9	1.4	.2	.2	.0						4.4	8.6	8.0
020-040	.1	1.0	.9	.1	.1	.1	.0	.0				2.3	11.2	10.0
050-070	1.2	3.0	1.3	.3	.1		.0					6.0	7.8	7.0
(E) 080-100	2.0	2.3	1.3	.4	.1	.1						6.3	7.6	6.0
110-130	.5	1.4	1.5	.5	.1	.1	.0	.0				4.1	10.4	10.0
140-160	2.1	6.3	7.0	2.5	1.1	.4	.5		.1			19.9	11.2	10.0
(S) 170-190	2.7	5.7	2.4	.4	.2							11.4	7.4	7.0
200-220	1.3	3.4	2.6	.7	.1							8.1	8.6	8.0
230-250	1.6	3.7	4.2	1.2	.1	.1						10.9	9.1	10.0
(W) 260-280	1.0	1.7	1.1	.4								4.1	7.9	8.0
290-310	.5	1.0	1.5	.5	.0							3.5	9.5	10.0
320-340	1.2	3.6	3.5	1.1	.1	.0						9.6	9.5	9.5
VARIABLE														
CALM	////////////////////											9.2	////////	
TOTALS	15.0	35.0	28.7	8.3	2.2	.8	.5		.1			100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 3666

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	3.2	3.9	.5	1.2	.2						9.9	11.1	10.0
020-040	.2	1.2	2.1	.5	.5	.9	.2	.2				5.9	15.4	12.0
050-070	1.2	4.8	1.4	1.4	.4		.2					9.4	9.5	8.0
(E) 080-100	3.0	3.2	1.8	.4	.5							8.9	7.6	6.0
110-130	.4	.9	1.1	.7			.2					3.2	11.6	10.5
140-160	1.4	3.4	2.7	.7	1.1	.7	1.2		.4			11.5	14.2	11.0
(S) 170-190	2.0	4.1	.4	.2	.2							6.7	6.6	6.0
200-220	.5	.5										1.1	4.5	4.5
230-250	1.4	.5	1.2			.2						3.4	7.7	6.0
(W) 260-280	1.2	1.2	.2									2.7	5.9	6.0
290-310	.9	.9	1.6									3.4	7.9	7.0
320-340	2.3	7.3	7.1	3.4	.7							20.7	10.2	10.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////////////////////////////	
TOTALS	15.4	31.2	23.5	7.8	4.6	2.0	1.8	.2	.4			100.0	8.9	8.0

TOTAL NUMBER OF OBSERVATIONS 564

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.6	.7									2.7	7.3	6.0
020-040	.4		.2									.7	5.3	4.0
050-070	1.1	.9	.4		.2	.2						2.9	8.4	5.0
(E) 080-100	2.2	1.3	.7	1.1	.4				.4			6.2	11.0	7.0
110-130	.4	.2	1.6	.4	1.6							4.2	14.5	14.0
140-160	3.6	11.4	6.3	1.1	.2		.2					22.8	8.2	7.0
(S) 170-190	4.2	6.7	2.0	.7	1.1							14.7	7.9	6.5
200-220	1.6	1.8	3.1	.4								6.9	8.5	10.0
230-250	.9	2.0	1.6	.7								5.1	8.7	8.0
(W) 260-280	2.2	1.8	1.3									5.4	5.9	5.0
290-310	.7	.2	.2	.4								1.6	9.3	8.0
320-340	1.6	3.6	1.1	.2								6.5	6.6	6.0
VARIABLE														
CALM	////////////////////											20.3	////////	
TOTALS	19.3	31.5	19.2	5.0	3.5	.2	.2		.4			100.0	6.8	7.0
TOTAL NUMBER OF OBSERVATIONS 448														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.0	.4									2.4	6.3	7.0
020-040	.4											.4	2.0	2.0
050-070	1.8	1.6	.4		.4							4.2	7.1	6.0
(E) 080-100	1.8	1.8	1.0	.4	.8	.2	.2					6.2	10.4	8.0
110-130	.8	.4	1.2	1.2	.6							4.2	12.4	12.0
140-160	3.4	5.0	4.6	1.4	.6							15.0	9.3	9.0
(S) 170-190	4.2	6.4	3.0	.6	.4							14.6	7.2	6.0
200-220	.8	2.0	2.4	.6								5.8	8.9	10.0
230-250	2.6	3.8	2.6	1.0	.4							10.4	8.6	8.0
(W) 260-280	2.0	2.4	1.0	.2								5.6	6.3	6.0
290-310	1.0	2.0	.4	.4								3.8	7.5	8.0
320-340	1.4	2.0	1.8	.6								5.8	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											21.6	////////////////////////////////	
TOTALS	21.2	28.4	18.8	6.4	3.2	.2	.2					100.0	6.6	8.0
TOTAL NUMBER OF OBSERVATIONS 500														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.5	1.5	.4	.1		.1						3.7	6.8	5.0
020-040		.4	.3	.3	.1								1.2	7.8	8.5
050-070		.9	2.1	.6		.1							3.7	6.8	6.0
(E) 080-100		.4	.9	1.2	.7	.3	.1						3.7	11.9	12.0
110-130		.1	.7	1.2	1.0	.6	.3						4.0	14.4	14.0
140-160		2.5	4.9	6.4	1.9	.7	.3						16.9	10.3	10.0
(S) 170-190		3.1	5.4	1.8	.3	.4							11.1	7.5	7.0
200-220		.7	2.4	2.1	.9	.1	.1						6.4	9.9	10.0
230-250		3.0	3.0	3.1	.7	.1							10.0	8.2	8.0
(W) 260-280		2.2	2.7	.7	.4								6.1	6.4	5.0
290-310		1.6	1.5	2.5	1.0	.3	.1						7.2	10.1	10.0
320-340		2.4	2.4	1.9	.4								7.2	7.3	6.5
VARIABLE															
CALM		////////////////////////////////////										18.4	////////////////////////////////		
TOTALS		18.8	27.8	22.2	7.5	2.6	1.0						100.0	7.3	8.0
TOTAL NUMBER OF OBSERVATIONS 667															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.6	1.9	.6								4.5	9.1	10.0
020-040	.6	.6	.3									1.5	5.9	5.5
050-070	2.6	3.5	1.3	.1								7.5	6.2	6.0
(E) 080-100	3.3	2.9	1.7	.7	1.6	.1						10.4	9.5	7.0
110-130	.9	1.7	1.6	1.3	.1							5.7	9.8	10.0
140-160	1.0	4.8	8.1	1.7	.9	.1	.3					17.0	11.4	10.0
(S) 170-190	1.6	4.5	1.9	.9								8.9	8.2	8.0
200-220	.3	1.3	2.9	.4	.4							5.4	11.2	10.0
230-250	1.9	3.5	2.5	.4	.1	.1						8.6	8.5	8.0
(W) 260-280	2.2	1.7	.9	.1	.3							5.2	6.5	5.0
290-310	1.7	1.5	2.0	1.5	.1	.1						7.0	9.7	10.0
320-340	2.5	2.9	2.3	1.2								8.9	7.8	7.0
VARIABLE														
CALM	////////////////////											9.6	////////	
TOTALS	19.0	30.5	27.4	8.9	3.5	.4	.3					100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.5	2.5	.6								4.9	10.1	10.0
020-040	.4	.9	.4	.4								2.2	8.6	9.0
050-070	1.6	9.9	4.3	.1								16.0	7.7	8.0
(E) 080-100	1.8	7.0	3.1	1.2	1.3	.3						14.6	9.9	8.0
110-130	.1	2.1	2.2	.7	.3							5.5	10.8	10.0
140-160	1.0	4.0	9.2	2.1	1.5	.1						17.9	11.5	11.0
(S) 170-190	1.2	3.4	2.1	.6	.1							7.4	8.8	8.0
200-220		1.8	3.1	.4	.3							5.6	10.7	10.0
230-250	.9	2.2	1.9	1.5	.6		.1					7.2	10.9	10.0
(W) 260-280	.7	.6	.3	.1	.1	.1						2.1	9.1	7.0
290-310	.4	1.6	1.6	1.9	.3							5.9	11.5	10.0
320-340	.4	1.8	3.1	.9	.3							6.5	10.6	10.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	8.8	36.8	33.8	10.5	4.8	.5	.1					100.0	9.6	10.0
TOTAL NUMBER OF OBSERVATIONS 676														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.2	1.2	1.9	.3		.3						3.9	10.8	10.0
020-040			.8	.6									1.4	8.1	9.0
050-070		1.4	5.5	3.7	.8								11.4	8.3	8.0
(E) 080-100		1.9	10.0	5.0	.9	.6		.5					18.8	9.0	8.0
110-130		.6	1.4	3.4	.5	.2	.2	.3					6.5	11.7	10.5
140-160		.6	6.4	8.9	1.4	1.1	.2						18.5	11.1	10.0
(S) 170-190		.8	2.2	2.0	1.2								6.2	9.6	10.0
200-220		.3	1.4	2.6	1.1	.6							6.1	11.8	11.0
230-250		2.0	2.6	2.6	.9	.3	.2						8.7	9.4	8.5
(W) 260-280		.3	.9	.5		.3	.3						2.3	10.9	8.0
290-310			1.4	1.4	1.7	.6							5.1	12.3	12.0
320-340		1.1	2.2	2.2	1.4	.5							7.3	10.5	10.0
VARIABLE															
CALM		////////////////////////////////////										3.6	////////////////////////////////		
TOTALS		9.2	36.0	34.8	10.2	4.2	1.2	.8					100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 642

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.1	1.7	.4								3.4	9.9	10.0
020-040	.2	.8	.6									1.7	7.4	6.0
050-070	1.7	6.9	4.2	.8								13.7	8.3	8.0
(E) 080-100	5.3	6.5	2.7	2.3	.4			.2	.4			17.9	9.3	7.0
110-130	.4	.4	3.4	.8	.4							5.5	11.8	10.5
140-160	1.3	8.8	8.8	.8								19.8	9.5	9.0
(S) 170-190	1.3	3.8	2.9	.4	.6	.2						9.3	10.0	9.0
200-220	.2	.6	2.7	.8	.4							4.8	12.2	12.0
230-250	.8	2.3	1.9	1.5								6.5	9.6	10.0
(W) 260-280	1.3	1.1	.2	.4	.8							3.8	10.1	6.0
290-310	.4	.4	.2	.4	.4							1.9	11.3	10.0
320-340	1.7	1.7	2.3	.6								6.3	8.9	9.0
VARIABLE														
CALM	////////////////////////////////////											5.5	////////	
TOTALS	14.8	34.4	31.6	9.2	3.0	.2		.2	.4			100.0	9.1	9.0
TOTAL NUMBER OF OBSERVATIONS 475														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.1	3.1	.2									4.4	6.4	7.0
020-040		.2	1.6										1.8	6.6	7.0
050-070		3.3	3.3	.9									7.5	5.9	5.0
(E) 080-100		4.4	4.7	1.8	1.3	.9			.2	.4			13.7	9.4	7.0
110-130			1.1	1.6	.7								3.3	10.5	10.0
140-160		1.1	10.4	8.6	2.0	.4							22.6	9.5	9.0
(S) 170-190		2.9	5.3	2.9	.2	1.1							12.4	8.3	6.5
200-220		.4	.7	3.3	.4	.4							5.3	11.3	11.0
230-250		1.8	2.4	1.8	.9	.2							7.1	8.5	7.5
(W) 260-280		.7	1.1	.2	.4	.4							2.9	10.2	8.0
290-310		.9	.4	.7	.7	.2							2.9	10.6	10.0
320-340		1.8	2.9	1.6	.2								6.4	7.2	7.0
VARIABLE															
CALM		////////////////////////////////////											9.5	////////////////////////////////	
TOTALS		18.6	37.0	23.6	6.8	3.6			.2	.4			100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 451

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.5	1.3	.3		.1						3.8	8.7	8.0
020-040	.4	.6	.3	.1								1.4	7.2	7.0
050-070	1.8	4.4	2.1	.2	.1	.0						8.6	7.5	7.0
(E) 080-100	2.5	4.5	2.2	1.1	.8	.1	.1	.0	.1			11.5	9.7	8.0
110-130	.4	1.1	2.0	.9	.4	.1	.0					5.0	11.8	11.0
140-160	1.7	6.6	7.7	1.6	.7	.1	.1					18.5	10.2	10.0
(S) 170-190	2.3	4.6	2.3	.6	.4	.0						10.2	8.3	8.0
200-220	.5	1.5	2.8	.7	.3	.0						5.3	10.5	10.0
230-250	1.8	2.8	2.3	.9	.2	.0	.0					8.1	9.0	8.0
(W) 260-280	1.5	1.5	.6	.2	.2	.1						4.2	7.5	6.0
290-310	.9	1.2	1.3	1.1	.3	.0						4.8	10.4	10.0
320-340	1.6	2.4	2.1	.7	.1							7.0	8.5	8.0
VARIABLE														
CALM	////////////////////											11.2	////////	
TOTALS	16.0	32.7	27.0	8.4	3.5	.5	.2		.1			100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 4548

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: ICH HARBOR/UNALASKA AK  
LST TO UTC: +

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.3	3.5	2.5	.7		.3						8.3	9.3	8.0
020-040	.8	1.0	.8	.3								3.0	7.7	7.0
050-070	2.4	5.5	1.6	.3	.5	.1						10.5	7.4	7.0
(E) 080-100	4.0	5.8	2.8	2.1	2.4	.5	.2	.2	.7			18.9	12.3	8.5
110-130	.6	.6	1.6	1.0	1.0	.2	.2					5.3	14.5	14.0
140-160	2.1	2.2	4.6	1.5	1.5	.3	.2					12.4	11.9	11.0
(S) 170-190	1.2	1.7	.7	.2	.1							3.9	7.3	6.0
200-220	.2	.2										.5	4.8	5.0
230-250	1.8	.3										2.2	3.3	3.0
(W) 260-280	1.7	1.5	.2	.1	.1							3.7	5.8	5.0
290-310	1.7	1.3	.3	.7		.2						4.5	8.4	6.0
320-340	3.7	4.1	3.7	1.0	.1							12.7	7.8	7.0
VARIABLE														
CALM	////////////////////////////////////											14.4	////////////////////////////////	
TOTALS	21.5	27.7	18.8	7.9	5.7	1.6	.9	.2	.7			100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 868



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.4	.9									2.9	7.2	6.0
020-040	.2	.5										.7	4.7	5.0
050-070	4.1	4.5	.5									9.1	5.2	5.0
(E) 080-100	5.7	1.8	.2									7.7	3.7	3.0
110-130	.2		.2									.5	7.5	7.5
140-160	2.3	5.0	5.7	.2	.7							13.8	9.0	9.0
(S) 170-190	3.9	7.5	2.0	.2	.7							14.3	7.4	6.0
200-220	1.1	2.9	1.4	1.1								6.6	8.3	8.0
230-250	2.9	3.6	2.7	.2	.2							9.8	7.6	8.0
(W) 260-280	2.9	.9	1.1	.5								5.4	6.5	4.0
290-310	.5	.5		.5	.							1.4	8.5	6.0
320-340	2.3	2.7	1.6	.5	.2							7.3	8.0	8.0
VARIABLE														
CALM	////////////////////											20.6	////////	
TOTALS	26.8	31.3	16.3	3.2	1.8							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 441														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.4	.6									3.1	6.6	8.0
020-040	.2	.2										.4	4.0	4.0
050-070	2.9	2.2	.8									5.9	5.4	5.0
(E) 080-100	3.9	1.4	.2									5.5	3.7	3.0
110-130	.2	.4										.6	6.3	7.0
140-160	2.2	4.1	3.9	.2	.2							10.6	8.7	8.0
(S) 170-190	4.3	5.1	2.9	1.0	.6							13.9	8.0	7.5
200-220	2.7	5.1	.8	.8	.6	.2						10.2	8.1	5.5
230-250	3.5	3.7	1.8	.4	.2							9.6	7.0	5.0
(W) 260-280	4.3	1.6	1.0	.2								7.2	5.4	4.0
290-310	.2	1.2	.4									1.8	6.4	6.0
320-340	2.2	1.6	1.8	.2	.6							6.5	8.8	8.0
VARIABLE														
CALM	////////////////////////////////////											24.5	////////////////////////////////	
TOTALS	27.6	28.0	14.2	2.8	2.2	.2						100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 489														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.9	1.4									3.5	7.0	8.0
020-040	.5											.5	3.0	3.0
050-070	2.3	3.1	.5									5.8	5.6	5.0
(E) 080-100	3.2	2.5	.2	.5								6.3	5.2	4.0
110-130	.6	1.2	.8									2.6	7.3	6.0
140-160	2.0	5.5	4.5	.2		.2						12.3	8.3	8.0
(S) 170-190	2.6	7.2	3.2	.8	.3	.2						14.3	8.3	7.0
200-220	1.4	4.2	1.7	.8	.2							8.2	8.2	8.0
230-250	2.0	3.4	1.5	.5	.3							7.7	7.8	6.0
(W) 260-280	4.5	1.8	.6	.2	.2	.2						7.4	5.6	4.0
290-310	1.4	2.3	1.1	.2								4.9	6.3	5.0
320-340	2.2	2.6	1.1	.3	.3							6.5	7.0	6.0
VARIABLE														
CALM	////////////////////											20.0	////////	
TOTALS	23.9	34.7	16.6	3.5	1.3	.6						100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 650														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.6	.6	.1								3.3	6.7	6.0
020-040	.3	.6	.1									1.0	6.9	8.0
050-070	3.3	6.5	1.9	.1		.1						12.0	6.6	6.0
(E) 080-100	2.7	4.0	.9	.4								8.1	6.3	6.0
110-130	.1	.9	1.0	.1								2.2	8.7	10.0
140-160	1.0	5.8	6.5	1.4								14.7	9.7	10.0
(S) 170-190	2.5	4.9	4.6	1.0								13.0	8.4	8.0
200-220	1.0	3.9	2.0	.6								7.5	8.4	8.0
230-250	3.3	2.2	2.5	.1								8.1	6.5	6.0
(W) 260-280	2.2	2.0	.4	.1	.1	.1						5.1	6.7	5.0
290-310	1.6	2.0	.7	.1	.3							4.8	7.3	7.0
320-340	1.9	2.9	1.7	.1								6.6	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////////////////////////////	
TOTALS	20.9	37.3	22.9	4.1	.4	.2						100.0	6.6	7.0
TOTAL NUMBER OF OBSERVATIONS 693														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.4	.4	.7	.3								1.9	8.4	10.0
020-040			.7	.3									1.0	7.0	6.0
050-070		3.4	9.8	4.3	.7								18.3	7.4	7.0
(E) 080-100		3.6	6.1	3.3	.6	.3							13.8	7.5	7.0
110-130		.7	.7	1.6									3.1	7.8	10.0
140-160		.3	5.9	9.1	1.6	.4	.1						17.5	10.6	10.0
(S) 170-190		1.5	3.7	3.4	1.2	.1	.1						10.1	9.5	9.0
200-220		.3	1.3	2.7	1.5								5.8	11.5	12.0
230-250		1.0	4.0	2.5	.4								8.0	8.4	8.0
(W) 260-280		1.2	.4	.4	.3	.1							2.5	7.9	5.0
290-310		.9	1.6	.6	.3	.4							3.9	8.8	7.0
320-340		.6	1.9	2.8	.6								5.9	9.3	10.0
VARIABLE															
CALM		////////////////////////////////////										8.0	////////////////////////////////		
TOTALS		13.9	36.5	31.7	7.5	1.3	.2						100.0	8.1	8.0
TOTAL NUMBER OF OBSERVATIONS 673															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.6	.9	.5	.2								2.2	7.3	7.0
020-040	.3	.8	.6	.2								1.9	8.8	8.0
050-070	1.7	10.9	7.1	.5								20.2	8.4	8.0
(E) 080-100	2.7	8.0	4.6	1.1	.2							16.5	8.0	7.0
110-130	.5	2.4	1.4	.3								4.6	8.2	8.0
140-160	.8	4.7	8.3	.6	.5							15.0	10.1	10.0
(S) 170-190	.9	3.6	3.8	.9	.3							9.6	10.1	10.0
200-220	.2	1.6	3.0	1.1	.2							6.0	11.6	12.0
230-250	.9	2.8	2.4	.6	.2		.2					7.1	9.5	8.0
(W) 260-280	.6	.8	.5									1.9	6.6	5.5
290-310	.5	.8	.8	1.1								3.1	10.6	12.0
320-340	.2	2.2	3.1	1.1								6.6	10.7	10.0
VARIABLE														
CALM	////////////////////////////////////											5.4	////////	
TOTALS	9.9	39.5	36.1	7.7	1.4		.2					100.0	8.7	9.0

TOTAL NUMBER OF OBSERVATIONS 635

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.7	.4									3.0	6.5	6.0
020-040	.2	.4	.4									1.1	7.6	8.0
050-070	3.9	10.3	5.2									19.4	7.2	7.0
(E) 080-100	5.0	8.0	3.0									15.9	6.4	6.0
110-130	.9	1.1	1.3		.2							3.4	8.6	8.5
140-160	2.8	4.3	8.0	.6	.4	.2						16.4	9.6	10.0
(S) 170-190	1.7	3.0	3.9	1.1	.4							10.1	9.6	10.0
200-220	.2	2.8	2.6	.2	.4							6.2	10.5	10.0
230-250	2.2	3.9	2.8	1.3								10.1	8.5	8.0
(W) 260-280	.6		.4									1.1	7.4	4.0
290-310		.6	.4									1.1	8.4	8.0
320-340	.4	2.4	2.4	.6								5.8	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											6.3	////////////////////////////////	
TOTALS	18.8	38.5	30.8	3.8	1.4	.2						100.0	7.8	8.0
TOTAL NUMBER OF OBSERVATIONS 464														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.1	.7	.2								2.7	7.3	6.0
020-040	.5	.2	.2									.9	4.8	3.5
050-070	5.4	7.3	1.1									13.8	5.7	5.0
(E) 080-100	4.8	4.3	1.4									10.4	5.2	5.0
110-130	.5	.7		.5	.2							1.8	9.6	7.0
140-160	.9	5.9	8.2	1.8								16.8	9.7	10.0
(S) 170-190	4.3	6.1	4.8	1.1	.7							17.0	8.8	8.0
200-220	.5	3.2	3.4	.2								7.3	9.4	9.5
230-250	1.1	4.1	1.6	.7								7.5	8.2	8.0
(W) 260-280	.7			.5								1.1	8.6	4.0
290-310	.5	.5										.9	5.8	5.0
320-340	1.8	3.4	2.3	.9								8.4	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											11.3	////////////////////////////////	
TOTALS	21.7	36.8	23.7	5.9	.9							100.0	7.0	8.0
TOTAL NUMBER OF OBSERVATIONS 441														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		.8	1.2	.7	.1								2.8	7.1	6.0
020-040		.3	.4	.2	.0								1.0	6.8	6.0
050-070		3.3	6.9	2.8	.2		.0						13.2	6.9	6.0
(E) 080-100		3.8	4.6	1.8	.4	.1							10.6	6.4	6.0
110-130		.5	1.0	.9	.1	.0							2.5	8.2	8.0
140-160		1.4	5.2	6.8	.9	.3	.1						14.7	9.6	10.0
(S) 170-190		2.6	5.1	3.6	.9	.4	.0						12.6	8.7	8.0
200-220		.9	3.1	2.2	.8	.2	.0						7.2	9.4	9.0
230-250		2.1	3.4	2.2	.5	.1		.0					8.4	7.9	8.0
(W) 260-280		2.1	1.0	.6	.2	.1	.0						4.0	6.3	4.0
290-310		.8	1.3	.6	.3	.1							3.0	7.8	7.0
320-340		1.4	2.5	2.1	.5	.1							6.6	8.4	8.0
VARIABLE															
CALM		////////////////////////////////////											13.4	////////	
TOTALS		20.0	35.7	24.5	4.9	1.4	.1						100.0	6.9	8.0

TOTAL NUMBER OF OBSERVATIONS 4486

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.9	1.9	.3								7.2	7.3	6.0
020-040	.6	.9	.1									1.6	4.9	5.0
050-070	4.5	10.2	4.2	.5		.1						19.5	7.2	7.0
(E) 080-100	5.5	7.0	2.4	.7								15.5	6.1	5.0
110-130	.3	.8	.5	.1								1.7	7.5	6.5
140-160	.9	3.6	3.5	.3	.3							8.6	9.3	9.0
(S) 170-190	1.7	1.4	1.0	.2	.4							4.7	7.8	6.0
200-220	.3	.5	.1									.9	6.1	5.5
230-250	1.4	1.6	.3	.3								3.5	6.2	5.0
(W) 260-280	2.7	.8	.1		.1	.1						3.8	4.6	3.0
290-310	1.4	.8	.5	.5	.2							3.4	7.9	6.0
320-340	2.4	4.8	3.1	1.5	.5							12.4	8.9	8.0
VARIABLE														
CALM	////////////////////											17.2	////////	
TOTALS	23.7	35.3	17.7	4.4	1.5	.2						100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 1146

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	.3	1.1	.5	.3							4.3	8.2	5.0
020-040														
050-070	1.1	2.2	.8									4.0	6.7	7.0
(E) 080-100	5.4	1.1										6.5	3.2	2.5
110-130	.3	.3		.3								.8	8.7	9.0
140-160	3.0	5.1	4.6	1.6	.5							14.8	8.9	8.0
(S) 170-190	3.8	7.5	3.2	.5								15.1	7.3	7.5
200-220	1.6	4.0	3.8	.5	.5		.3					10.8	9.8	9.0
230-250	4.3	2.7	2.2	1.3	.5							11.0	8.5	8.0
(W) 260-280	2.7	.5	1.3	.5	.8							5.9	9.1	7.0
290-310	.5	.3					.3					1.1	10.5	5.0
320-340	1.3	1.6	.8	.8	.3							4.8	9.1	7.0
VARIABLE														
CALM	////////////////////											21.0	////////	
TOTALS	26.2	25.6	17.8	6.0	2.9		.6					100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	1.0	1.0									4.1	5.8	4.0
020-040	.5	.2										.7	3.3	3.0
050-070	1.7	1.7	.2									3.6	5.4	5.0
(E) 080-100	4.3	1.2	.5									6.0	4.0	3.0
110-130		.5	.5									1.0	8.5	8.5
140-160	3.4	6.8	4.3	1.4								15.9	8.2	8.0
(S) 170-190	3.6	7.5	5.1	.5								16.7	7.8	7.0
200-220	1.4	2.4	1.7	.2	.2							6.0	8.3	8.0
230-250	3.1	5.1	3.9	.7	.5							13.3	8.1	7.0
(W) 260-280	2.7	1.0	1.4	1.0	.7							6.8	9.1	7.0
290-310	.5		.7									1.2	8.4	10.0
320-340	2.2	1.0	1.9	1.0								6.0	8.8	9.0
VARIABLE														
CALM	////////////////////////////////////											18.6	////////	
TOTALS	25.6	28.4	21.2	4.8	1.4							100.0	6.2	7.0
TOTAL NUMBER OF OBSERVATIONS 414														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.6	.9	.3								3.6	7.8	8.0
020-040	.3	.7										1.0	5.0	5.0
050-070	2.4	2.1	.3									4.8	5.5	4.5
(E) 080-100	2.1	1.2	.2									3.5	4.3	4.0
110-130	1.0	.9	.2									2.1	4.8	4.5
140-160	3.3	4.7	3.5	.7								12.1	7.6	7.5
(S) 170-190	5.5	7.8	3.1	.5								17.0	6.8	6.0
200-220	2.9	5.0	2.1	.2	.2							10.4	7.2	7.0
230-250	1.9	2.6	1.9	.9		.2						7.4	8.4	8.0
(W) 260-280	2.8	1.2	2.6	.7	.2							7.4	8.1	8.0
290-310	2.9	1.6	1.0	.7								6.2	6.7	5.0
320-340	1.4	1.9	1.6	1.2	.2							6.2	8.9	8.0
VARIABLE														
CALM	////////////////////											18.2	////////	
TOTALS	27.4	31.3	17.4	5.2	.6	.2						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 578

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.7	2.4	.8	.2	.3							4.4	8.7	8.0
020-040	.2	.2										.3	5.0	5.0
050-070	1.6	3.9	.5									6.0	5.9	5.0
(E) 090-100	3.4	2.8										6.2	4.3	4.0
110-130	.7	.8	.8	.2								2.4	7.8	5.0
140-160	.8	3.6	5.2	1.0								10.6	9.7	10.0
(S) 170-190	3.9	4.7	3.6	1.0								13.2	7.6	7.0
200-220	1.1	3.9	4.2	1.0	.5	.3						11.1	10.4	10.0
230-250	2.6	3.9	3.3	1.6	.2	.2						11.7	8.7	8.0
(W) 260-280	3.1	1.6	.8	.3	.2							6.0	6.2	4.0
290-310	1.6	2.1	.3	.5	.3							4.9	8.0	5.5
320-340	.7	5.0	2.0	.8	.3							8.8	9.1	8.0
VARIABLE														
CALM	////////////////////////////////////											14.3	////////////////////////////////	
TOTALS	20.4	34.9	21.5	6.6	1.8	.5						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 614

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.3	1.0	1.0		.3	.2						2.8	11.5	10.0
020-040	.2	.3	.2									.7	6.5	6.5
050-070	2.8	8.5	2.3									13.6	6.7	6.0
(E) 080-100	3.4	7.5	2.6	.2	.2							13.9	6.9	6.0
110-130	1.1	1.6	.2	.2								3.1	5.5	5.0
140-160	.7	4.2	7.0	2.3	.2							14.4	10.7	10.0
(S) 170-190	1.1	3.8	3.6	.5								9.0	9.0	8.0
200-220	.3	2.1	3.8	2.1	.3							8.7	11.8	12.0
230-250	2.5	3.4	4.2	1.8	.2							12.1	9.3	10.0
(W) 260-280	2.6	1.1	.5	.8								5.1	6.7	4.0
290-310	1.6	1.6	.8	.2	.2							4.4	7.0	5.0
320-340	.3	1.3	2.0	1.0	.7							5.2	11.7	11.0
VARIABLE														
CALM	////////////////////////////////////											7.2	////////////////////////////////	
TOTALS	16.9	36.4	28.2	9.1	2.1	.2						100.0	8.1	8.0
TOTAL NUMBER OF OBSERVATIONS 612														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.	.9	.7	.3	.3							2.8	10.1	9.5
020-040			.3										.3	5.5	5.5
050-070		2.8	9.8	3.5	.5								16.6	7.6	8.0
(E) 080-100		3.5	8.0	2.1	.3								14.0	6.8	7.0
110-130		.5	.3	.7	.2								1.7	8.1	8.5
140-160		1.4	4.7	6.5	3.1	.2							15.9	10.4	10.0
(S) 170-190		.9	2.6	4.0	.9	.3							8.7	9.8	10.0
200-220		.3	2.1	3.7	2.1	.2	.2						8.6	11.4	11.0
230-250		2.6	2.8	4.7	1.4		.3	.2					12.1	10.2	10.0
(W) 260-280		.5	1.9	1.7	.3	.2	.2						4.9	9.8	9.5
290-310		.3	1.7	.5	.9	.2							3.7	9.4	7.0
320-340		.7	2.3	1.4	.9	.5	.2						5.9	10.7	9.0
VARIABLE															
CALM		////////////////////////////////////										4.7	////////////////////////////////		
TOTALS		14.0	37.4	29.5	10.9	1.9	.9	.2					100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 572



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.5	.3	.8	.3							2.5	10.3	11.0
020-040	.3		.3									.5	6.0	6.0
050-070	4.5	5.6	3.5	.8								14.4	7.3	6.0
(E) 080-100	4.3	6.6	1.0	.8								12.6	6.5	5.5
110-130	.3	.8										1.0	5.0	5.5
140-160	1.8	5.3	6.3	2.0								15.4	9.5	10.0
(S) 170-190	2.0	3.5	2.3	.5	.3							8.6	8.5	8.0
200-220		3.5	5.3	1.8	.3							10.9	11.2	10.0
230-250	2.0	5.8	2.3	1.5								11.6	8.3	8.0
(W) 260-280	2.5	1.8	.5	.8	1.5	.3						7.3	10.8	8.0
290-310	.8	.3	.8									1.8	6.4	5.0
320-340	.8	1.8	1.3	1.5	.3	.3						5.8	11.4	10.0
VARIABLE														
CALM	////////////////////////////////////											7.6	////////////////////////////////	
TOTALS	20.1	35.5	23.9	10.5	2.7	.6						100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 396

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	.5	.3	.8	.3							3.8	8.5	4.5
020-040														
050-070	2.9	4.0	1.3									8.3	6.5	6.0
(E) 080-100	5.9	1.3										7.2	3.3	3.0
110-130	1.1	.3										1.3	3.0	2.0
140-160	2.4	4.6	4.0	1.3								12.3	8.7	8.0
(S) 170-190	1.3	8.6	2.7	.5								13.1	8.0	8.0
200-220	.8	3.8	3.8	1.9								10.2	10.6	10.0
230-250	3.2	3.8	2.7	.5		.3	.5					11.0	8.9	7.0
(W) 260-280	2.4	2.9	1.1	.5	1.1	.5	.3					8.8	10.9	8.0
290-310			.5									.5	11.0	11.0
320-340	1.1	1.6	.8	1.1	.5							5.1	10.4	9.0
VARIABLE														
CALM	////////////////////////////////////											18.2	////////////////////////////////	
TOTALS	23.0	31.4	17.2	6.6	1.9	.8	.8					100.0	6.9	8.0
TOTAL NUMBER OF OBSERVATIONS 373														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.0	1.1	.8	.3	.2	.0						3.5	8.7	8.0
020-040		.2	.3	.1									.5	5.2	5.0
050-070		2.5	5.0	1.6	.2								9.2	6.8	6.0
(E) 080-100		3.8	4.0	.9	.2	.0							8.9	5.7	5.0
110-130		.7	.7	.3	.1								1.8	6.3	5.0
140-160		2.0	4.8	5.3	1.7	.1							13.8	9.4	10.0
(S) 170-190		2.8	5.5	3.5	.6	.1							12.5	7.9	8.0
200-220		1.1	3.3	3.5	1.2	.3	.1	.0					9.6	10.1	10.0
230-250		2.7	3.7	3.2	1.3	.2	.1	.1					11.2	8.9	8.0
(W) 260-280		2.4	1.5	1.3	.6	.5	.1	.0					6.4	8.7	6.0
290-310		1.2	1.1	.6	.3	.1		.0					3.4	7.7	5.0
320-340		1.0	2.2	1.5	1.0	.4	.1						6.1	9.9	9.0
VARIABLE															
CALM		////////////////////////////////////										13.2	////////////////////////////////		
TOTALS		21.4	33.2	22.6	7.5	1.9	.4	.1					100.0	7.2	8.0

TOTAL NUMBER OF OBSERVATIONS 3931

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.8	3.3	2.7	1.8	1.2	.2						13.1	9.8	9.0
020-040	.3	.6										.9	5.3	5.0
050-070	4.1	8.7	1.7	.2								14.6	6.4	6.0
(E) 080-100	5.3	8.1	1.2	.3								14.9	5.9	5.0
110-130	1.1	.9	.2	.2								2.3	5.3	5.0
140-160	1.2	2.9	3.8	1.1								9.0	9.3	10.0
(S) 170-190	1.4	2.3	.3									4.0	5.7	6.0
200-220	.5	.3	.2									.9	5.0	4.5
230-250	1.7	.5	.2	.2								2.4	4.8	3.0
(W) 260-280	2.1	.9	.3	.5	.8	.3	.2					5.0	10.2	6.0
290-310	2.7	2.3	.2	.8								5.9	6.2	5.0
320-340	2.3	4.7	.8	2.1		.2						10.0	8.7	7.0
VARIABLE														
CALM	////////////////////////////////////											16.9	////////////////////////////////	
TOTALS	26.5	35.5	11.6	7.2	2.0	.7	.2					100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 657

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.9	3.1	.6									5.6	5.8	5.0
020-040		.3	1.1	.3									1.7	7.5	7.5
050-070		1.1	3.1	.3	.6	.3							5.3	7.9	7.0
(E) 080-100		2.2	2.5	1.4	1.1	.8							8.1	9.5	8.0
110-130			.6	.3	.6		.3						1.7	13.8	14.0
140-160		1.1	1.1	2.2	1.1								5.6	9.9	10.5
(S) 170-190		3.9	2.5	.8	.8								8.1	6.1	5.0
200-220		.8	2.5	1.4	.6	.6							5.8	9.6	8.0
230-250		3.9	1.9	1.9	.8	.6							9.2	8.0	5.0
(W) 260-280		2.8	1.9	1.7	.8	.6							7.8	8.5	7.5
290-310		1.4	1.1	3.9	1.4	.3							8.1	10.4	10.0
320-340		1.9	4.5	7.0	3.9	1.9	1.4						20.6	12.5	12.0
VARIABLE															
CALM		////////////////////////////////////											12.5	////////////////////////////////	
TOTALS		21.3	25.9	21.8	11.7	5.1	1.7						100.0	8.3	8.0
TOTAL NUMBER OF OBSERVATIONS 359															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.2	1.2	1.5	.2								4.2	7.6	8.0
020-040		1.2	.2									1.5	7.5	7.5
050-070	1.2	2.5	.7	.7	.2							5.4	8.3	6.5
(E) 080-100	1.0	2.0	1.0	.5	.2	.2						4.9	9.3	7.5
110-130		.2	.5	.7	.2							1.7	14.4	15.0
140-160	1.5	2.5	2.0	.5								6.4	8.1	8.0
(S) 170-190	2.2	2.5	2.2	.5	.2		.2					7.9	8.6	7.0
200-220	1.2	2.9	1.5	1.0								6.6	8.9	8.0
230-250	2.5	3.7	1.5	.5	.2	.2						8.6	7.7	6.0
(W) 260-280	2.9	4.2	2.0	1.5	1.0							11.5	8.8	8.0
290-310	1.5	2.2	2.5	1.2	.7							8.1	10.5	10.0
320-340	2.9	3.2	5.2	4.7	2.7	.5						19.2	12.6	12.5
VARIABLE														
CALM	////////////////////////////////////											14.0	////////////////////////////////	
TOTALS	18.1	28.3	20.8	12.0	5.4	.9	.2					100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 407

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.2	2.6	.2	.2		.2					4.7	10.9	10.0
020-040	.2	.3	1.7		.2	.2						2.6	11.7	10.0
050-070	1.6	2.6	.9	.9		.2						6.1	7.9	6.0
(E) 080-100	1.6	.5	1.7	.7	.5	.2						5.2	10.6	11.0
110-130	.2	.9	.2	.2	.5							1.9	11.0	8.0
140-160	1.4	2.8	2.1	1.2	.2							7.6	8.9	8.0
(S) 170-190	2.1	3.6	1.6	.3	.2							7.8	7.2	6.0
200-220	1.0	3.8	2.4	1.2	.5							9.0	9.4	8.5
230-250	1.9	3.8	2.4	1.0	.3							9.5	8.7	7.0
(W) 260-280	3.3	3.3	3.6	1.0	1.2	.2						12.6	9.5	9.0
290-310	1.2	1.4	2.4	1.9	1.0	.2						8.1	12.2	12.0
320-340	1.6	1.9	5.0	2.8	1.9	.9	.3					14.4	13.5	12.0
VARIABLE														
CALM	////////////////////											10.6	////////	
TOTALS	16.4	26.1	26.6	11.4	6.7	1.9	.5					100.0	9.1	10.0
TOTAL NUMBER OF OBSERATIONS 578														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.5	2.8	2.2	1.0	.5							8.0	9.3	8.5
020-040			.7	.7	.8	.2		.3	.2				2.8	15.6	15.0
050-070		1.7	1.3	.8	.3								4.2	6.8	5.0
(E) 080-100		1.2	1.3	.3	.3	1.2							4.3	10.5	7.0
110-130		.5	.3	1.0	.5	.8	.2						3.3	13.6	12.5
140-160		.8	2.5	1.7	1.2								6.1	9.4	8.0
(S) 170-190		2.3	3.7	1.7	.7								8.3	7.3	7.0
200-220		1.3	5.1	2.5	1.2	.3							10.5	9.3	9.0
230-250		2.7	2.8	3.7	1.2	.2							10.5	8.5	8.0
(W) 260-280		2.5	2.0	3.2	1.2	.5	.2						9.5	9.5	10.0
290-310		1.2	2.3	2.7	2.0	.5	.3		.2				9.1	11.9	12.0
320-340		1.0	4.0	4.2	2.0	1.7	.5	.2	.2				13.6	12.6	12.0
VARIABLE															
CALM		////////////////////////////////////											9.8	////////////////////////////////	
TOTALS		16.7	28.8	24.7	12.4	5.9	1.2	.5	.6				100.0	9.1	9.0
TOTAL NUMBER OF OBSERVATIONS 602															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	1.7	2.7	.9	1.0	.2	.2					8.5	10.8	10.0
020-040		1.0	1.5	.2	.5	.2	.2					3.6	13.5	12.0
050-070	2.4	4.1	.7	.3								7.5	6.1	6.0
(E) 080-100	2.0	3.2	1.0	.9	.2							7.3	7.7	6.0
110-130		.7	1.4	.5								2.6	11.3	11.0
140-160	.9	2.0	2.7	1.0	.7							7.3	10.9	10.0
(S) 170-190	.3	3.7	1.2	.2								5.4	8.2	8.0
200-220	.9	4.4	4.3	1.0	.2							10.7	9.5	10.0
230-250	.9	2.0	3.6	1.7	.5							8.7	10.9	10.0
(W) 260-280	1.4	1.2	2.4	1.5	.3							6.8	10.6	12.0
290-310	.9	.9	2.7	2.4	1.2	.3						8.3	13.7	14.0
320-340	1.2	6.3	5.1	2.7	1.9	1.0	.2					18.4	12.1	10.0
VARIABLE														
CALM	////////////////////////////////////											4.9	////////	
TOTALS	12.8	31.2	29.3	13.3	6.5	1.7	.6					100.0	10.0	10.0
TOTAL NUMBER OF OBSERVATIONS 588														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.5	4.3	2.7	.7	.2							8.5	9.4	9.0
020-040	.5	.2	.9	.7	.5							2.9	12.9	12.0
050-070	2.5	5.4	2.7	.5								11.2	7.4	7.0
(E) 080-100	1.1	2.7	1.4	.2	.4							5.8	8.2	6.5
110-130		.5	1.4	1.3								3.3	11.9	12.0
140-160	.5	2.5	3.6	1.3		.2	.2	.2				8.5	11.4	10.0
(S) 170-190	1.4	3.1	1.6	.4								6.5	7.8	7.5
200-220	.7	2.7	3.6	1.4	.2		.2					8.9	11.1	11.0
230-250	.9	1.8	4.3	1.1	.2							8.3	10.2	10.0
(W) 260-280	1.1	1.3	1.6	.9	.5	.4						5.8	11.2	10.0
290-310	.2	1.1	3.3	2.7	1.4	.4						9.0	14.4	14.5
320-340	.7	3.4	7.8	2.7	1.8	1.6	.2					18.3	13.8	13.0
VARIABLE														
CALM	////////////////////////////////////										3.1	////////////////////////////////		
TOTALS	10.1	29.0	34.9	13.9	5.2	2.6	.6	.2				100.0	10.6	10.0
TOTAL NUMBER OF OBSERVATIONS 553														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	4.0	2.7	.5								7.4	9.7	9.0
020-040	.3	.5	1.6	.8	.5							3.7	12.6	12.5
050-070	3.2	4.0	3.7	.5								11.4	7.9	7.0
(E) 080-100	3.2	2.9	1.9	.5	1.1	.3						9.8	9.3	6.0
110-130		.8	.5		.5	.3						2.1	14.3	11.0
140-160	.8	3.2	2.4	.8	.3							7.4	9.3	9.0
(S) 170-190	1.3	2.7	1.3									5.3	6.9	7.0
200-220	1.3	2.1	3.2	.8	.3							7.7	9.6	10.0
230-250	1.3	1.6	1.3	1.6	.8	.8						7.4	12.8	13.0
(W) 260-280	.5	.5	2.9	.5	.8							5.3	12.0	12.0
290-310	.3	1.1	1.9	2.1	.5							5.8	12.8	13.5
320-340	1.3	6.1	8.5	4.2	1.9	.3						22.3	12.0	12.0
VARIABLE														
CALM	////////////////////											4.2	////////	
TOTALS	13.8	29.5	31.9	12.3	6.7	1.7						100.0	10.1	10.0
TOTAL NUMBER OF OBSERVATIONS 377														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	2.5	3.6	.3	.3							9.2	8.3	8.0
020-040		.8	.8	.3								1.9	10.1	10.0
050-070	2.8	1.9	1.4	1.1	.3							7.5	8.1	7.0
(E) 080-100	3.6	1.9	2.2	1.7	.3							9.7	8.7	7.0
110-130		.8	1.4	.3								2.5	10.1	10.0
140-160	2.2	2.2	2.2	.6	.8							8.1	9.1	8.0
(S) 170-190	2.2	3.1	1.4	.6								7.2	7.3	6.0
200-220	1.1	2.2	1.7	.8	.3	.3		.3				6.7	11.4	9.5
230-250	.6	1.9	1.4	1.1	1.1		.3					6.4	12.5	12.0
(W) 260-280	3.1	1.9	1.4	1.7								8.1	8.1	8.0
290-310	.3	2.8	.8	.3	.8	.6						5.6	11.9	8.0
320-340	3.6	4.7	6.1	3.9	1.7	.3	.3					20.6	11.2	10.5
VARIABLE														
CAL:1	////////////////////////////////////											6.7	////////////////////////////////	
TOTALS	22.0	26.7	24.4	12.7	5.6	1.2	.6	.3				100.0	9.1	9.0
TOTAL NUMBER OF OBSERVATIONS 360														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.2	2.6	2.4	.5	.3	.0	.1					7.1	9.3	9.0
020-040	.2	.7	1.0	.4	.3	.1	.1	.0				2.7	12.5	10.5
050-070	2.0	3.1	1.4	.6	.1	.0						7.2	7.5	6.0
(E) 080-100	1.9	2.1	1.3	.7	.6	.1						6.6	9.1	7.0
110-130	.1	.6	.9	.5	.3	.1						2.5	12.4	12.0
140-160	1.1	2.4	2.4	1.0	.2	.0	.0	.0				7.2	9.8	10.0
(S) 170-190	1.9	3.2	1.5	.4	.1		.0					7.1	7.4	7.0
200-220	1.0	3.4	2.7	1.0	.3	.0	.0	.0				8.6	9.8	9.0
230-250	1.8	2.5	2.7	1.2	.4	.1	.0					8.7	9.6	10.0
(W) 260-280	2.2	2.0	2.4	1.2	.6	.1						8.5	9.6	10.0
290-310	.9	1.6	2.6	1.9	.9	.2		.0				8.0	12.4	12.0
320-340	1.6	4.2	5.9	3.2	1.9	.8	.2	.0				17.9	12.6	12.0
VARIABLE														
CALM	////////////////////////////////////											8.1	////////////////////////////////	
TOTALS	15.9	28.4	27.2	12.6	6.0	1.5	.4					100.0	9.4	10.0

TOTAL NUMBER OF OBSERVATIONS 3824

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.6	6.4	6.6	.4	1.3						17.4	9.5	9.0
020-040	.2	.2	1.3		.2	.4	.6	.2			3.0	17.9	13.5
050-070	6.6	4.5	2.1	.8	.2						14.2	6.3	5.0
(E) 080-100	4.5	2.3	1.7	1.7	1.9	.2					11.5	9.9	7.0
110-130	.2	.2	.9	.2	.2						1.7	11.8	12.0
140-160	1.5	1.7	1.3		.2						4.7	7.2	6.0
(S) 170-190	.4	2.3	.6								3.2	7.0	7.0
200-220		.4									.4	6.0	6.0
230-250	1.3	.2		.2							1.7	4.6	3.0
(W) 260-280	2.5	.9	.6		.6						4.5	6.8	4.0
290-310	.6	.4	.2	.8	.8	.4		.2			3.2	15.8	15.0
320-340	3.0	4.0	6.0	5.8	3.0	.4	.4				22.6	12.8	12.0
VARIABLE													
CALM	////////////////////////////////////										11.1	////////	
TOTALS	23.4	23.5	21.5	9.9	8.4	1.4	1.0	.4			100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 530

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.3	1.8	.6					.3			2.9	15.4	13.0
020-040		.3	2.6	.9	.3							4.1	12.3	11.5
050-070		.6		.6								1.2	11.8	12.0
(E) 080-100	.3		.9	.3								1.5	11.8	13.0
110-130			.9				.3					1.2	15.5	11.0
140-160	2.1	2.9	1.2	1.5			.3		.3			8.2	10.5	8.0
(S) 170-190	3.2	3.8	1.8	.3								9.1	6.5	6.0
200-220	1.5	4.1	4.7	1.8	.3							12.3	10.0	10.0
230-250	3.5	5.0	3.8	4.4	1.5	.3						18.5	10.8	10.0
(W) 260-280	1.5	6.7	1.2	1.5	2.6	1.8	.9	.3	.3			16.7	14.8	10.0
290-310		1.2	2.1	2.3	1.5	1.2	.6	.3	.6			9.7	19.3	16.0
320-340	1.5	2.1	2.1	1.8	1.2	.3	.6					9.4	13.3	13.5
VARIABLE														
CALM	////////////////////////////////////											5.3	////////	
TOTALS	13.6	27.0	23.1	16.0	7.4	3.6	2.7	.6	1.5			100.0	11.7	10.0

TOTAL NUMBER OF OBSERVATIONS 341

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 03-05

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010			1.0		.3								1.3	8.8	8.0
020-040			.8	1.0	1.6	.8							4.2	14.2	15.5
050-070			.5	1.6	.3								2.3	10.3	10.0
(E) 080-100		.3		.3	.3	1.0							1.8	16.4	20.0
110-130		.3		.8									1.0	10.0	11.5
140-160		1.6	1.3	2.9	.5	.3	.3	.3					7.0	10.6	10.0
(S) 170-190		3.1	4.7	1.6	.3	.3							9.9	6.8	6.0
200-220		2.3	5.2	5.0	3.7	1.0							17.2	10.4	10.0
230-250		1.8	3.1	2.3	3.4			.3					11.0	11.2	10.0
(W) 260-280		1.6	2.9	3.9	2.1	2.1	1.0	.5	.3	.5			14.9	14.9	12.0
290-310		.3	1.3	2.9	2.1	1.3	1.3						9.1	15.8	15.0
320-340		1.0	.8	2.9	2.9	2.6	1.6	.3	.3				12.3	16.5	17.0
VARIABLE															
CALM		////////////////////////////////////										7.8	////////////////////////////////		
TOTALS		12.3	21.6	25.2	17.5	9.4	4.2	1.4	.6	.5			100.0	11.5	11.0
TOTAL NUMBER OF OBSERVATIONS 383															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.1	1.1	1.3								3.9	10.4	10.0
020-040	.2	.2	1.3	.9	.4	.7						3.6	15.8	16.0
050-070		.7	.9	.2	.2	.2						2.1	12.1	10.0
(E) 080-100		.5		.4	1.1		.2	.2				2.3	18.8	20.0
110-130	.2	.4	.4	.5								1.4	10.5	10.0
140-160	.7	3.4	1.3	.9	.2	.2	.2					6.8	10.0	8.0
(S) 170-190	2.7	5.0	2.1	.7								10.6	7.3	7.0
200-220	1.8	4.3	2.5	1.8	.5	.2						11.1	9.6	9.0
230-250	.9	3.9	5.4	3.9	.9		.2					15.2	11.8	10.0
(W) 260-280	.9	2.0	4.8	3.6	1.6	1.1	.4		.2			14.5	14.7	14.0
290-310	1.1	1.3	3.4	2.7	1.4	.4		.2				10.4	13.7	14.0
320-340	.5	1.3	3.6	3.0	2.9	.5	.2	.2				12.2	15.7	15.0
VARIABLE														
CALM	////////////////////											5.9	////////	
TOTALS	9.5	24.1	26.8	19.9	9.2	3.3	1.2	.6	.2			100.0	11.6	11.0
TOTAL NUMBER OF OBSERVATIONS 559														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.5	.7	.3	.7	.5							2.7	10.9	10.0
020-040		.2	.3	.7	.7	1.2	.2						3.2	15.4	15.0
050-070		.3	1.0	.3	.5	.3	.2						2.7	11.8	10.0
(E) 080-100		.5	.2	.3	.5	.2		.2	.3				2.2	15.8	15.0
110-130		.3	.8	1.3	1.0								3.5	10.3	10.0
140-160		2.0	2.2	2.3	.7				.5				7.7	10.4	9.0
(S) 170-190		3.0	4.8	1.2	.7								9.7	6.5	5.0
200-220		1.8	2.8	4.5	2.3	.3	.3						12.2	10.5	10.0
230-250		2.2	4.5	4.5	3.8	.5	.3	.2					16.1	10.7	10.0
(W) 260-280		1.3	3.0	3.5	3.2	1.5	.2	.2		.2			13.0	12.9	12.0
290-310		1.0	1.5	3.3	3.7	1.3	.3	.2					11.4	13.7	14.0
320-340		.7	.7	4.5	2.5	1.8	.2	.2	.2				10.7	14.3	14.0
VARIABLE															
CALM		////////////////////////////////////											5.0	////////////////////////////////	
TOTALS		13.8	22.5	26.7	20.3	7.6	1.7	1.0	1.0	.2			100.0	11.0	10.0
TOTAL NUMBER OF OBSERVATIONS 598															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.2	.3	1.7	1.6	.2					.2		4.1	13.9	14.0
020-040	.2	.5	1.2	.9	.7	.2						3.6	14.0	12.0
050-070	.9	1.2	.5	.2		.2						2.9	8.2	8.0
(E) 080-100	.3	.3	.7	1.0	.2		.2	.2				2.9	14.4	15.0
110-130	.5	.9	.9	.2	.2	.5						3.1	11.7	10.0
140-160	.9	1.7	3.5	.5	.9	.2			.3			7.9	12.9	11.5
(S) 170-190	1.4	4.0	2.2	.5								8.1	8.1	8.0
200-220	1.2	3.5	3.5	2.1	.9	.2						11.2	11.0	10.0
230-250	1.9	5.5	5.0	4.5	1.2	.7	.2					19.0	11.5	10.0
(W) 260-280	.7	1.6	2.8	2.6	1.9	.2		.2				9.8	14.2	14.0
290-310	1.2	2.1	3.3	3.5	.9	.5						11.4	12.8	13.0
320-340	1.7	2.6	4.1	2.6	1.4	.3		.2				13.0	12.3	12.0
VARIABLE														
CALM	////////////////////////////////////											2.8	////////////////////////////////	
TOTALS	11.1	24.2	29.4	20.2	8.5	3.0	.4	.6	.3	.2		100.0	11.7	11.0
TOTAL NUMBER OF OBSERVATIONS 579														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.4	1.3	.5	.5							2.7	13.9	14.0
020-040	.4	1.4	1.8	.9	.7	.2						5.4	11.9	10.0
050-070	.4	1.6	.4	.7	.7	.2						4.0	11.7	9.5
(E) 080-100	.7	1.1	1.1	.9	.2							4.0	10.0	10.0
110-130		1.3	.9	.4		.5	.2					3.3	14.1	11.0
140-160	.5	2.2	3.6	1.8	.5							8.7	11.6	11.0
(S) 170-190	.4	3.4	1.3	.5								5.6	8.6	9.0
200-220	.2	3.3	3.4	2.5	.5	.4						10.3	12.1	11.0
230-250	1.6	2.4	5.8	4.0	1.6	.9						16.3	12.8	12.5
(W) 260-280	1.4	1.8	3.4	4.3	1.1	1.1	.4					13.6	13.9	15.0
290-310	.4	1.4	5.8	2.7	1.6	.2	.4		.2			12.7	14.5	13.0
320-340	1.3	2.9	3.4	2.9	1.1	.5	.4					12.5	12.8	11.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	7.3	23.2	32.2	22.1	8.5	4.0	1.4		.2			100.0	12.5	12.0

TOTAL NUMBER OF OBSERVATIONS 552

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	2.6	1.1		.3							4.8	7.8	7.0
020-040	.6	.9	1.1	.6	.6	.6						4.3	13.3	12.0
050-070	1.7	.6	.9	1.4	.3							4.8	10.1	10.0
(E) 080-100	.6	.6	.3	.6	.6							2.6	11.8	13.0
110-130	.3	.3	1.1	.3	.3	.3		.3	.3			3.1	17.7	13.0
140-160	1.1	1.4	2.6	2.0	.6	.3						8.0	12.1	12.0
(S) 170-190	1.7	4.3	1.7									7.7	7.7	8.0
200-220	1.4	2.0	3.1	2.8	1.1							10.5	11.9	12.0
230-250	2.0	3.4	4.6	4.3	.9		.3					15.4	11.6	10.0
(W) 260-280	.9	2.0	3.7	4.6	.9	1.7	1.4					15.1	15.9	15.0
290-310	.3	2.3	2.3	1.7	.9	.6						8.0	13.4	12.0
320-340	.9	1.7	1.1	3.7	2.3	.9	.9					11.4	16.1	16.0
VARIABLE														
CALM	////////////////////											4.3	////////	
TOTALS	12.4	22.1	23.6	22.0	8.8	4.4	2.6	.3	.3			100.0	12.2	12.0
TOTAL NUMBER OF OBSERVATIONS 351														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.6	.6	.3	.6	.3						3.5	10.8	9.0
020-040	.3	.9	1.2	1.8	.9							5.0	13.5	15.0
050-070	.3	.3	1.2		.3							2.1	10.3	10.0
(E) 080-100		.6	.9									1.5	9.4	10.0
110-130	.3	.9	.6			.3		.6				2.7	16.7	12.0
140-160	1.5	2.1	2.9	.3								6.8	8.0	9.0
(S) 170-190	5.9	3.5	1.8									11.2	5.2	4.0
200-220	1.2	2.9	3.8	.3	.3							8.6	9.3	10.0
230-250	2.9	4.4	6.8	3.2	1.8							19.2	10.8	10.0
(W) 260-280	2.1	3.8	4.1	.9	1.5	2.1	1.2	.3	.6			16.5	14.9	10.5
290-310		.9	2.4	.9	2.1	.9				.3		7.4	18.2	18.0
320-340	2.1	1.8	1.5	2.9	1.5	1.5	.3					11.5	14.2	15.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////	
TOTALS	17.8	22.7	27.8	10.6	9.0	5.1	1.5	.9	.6	.3		100.0	11.3	10.0
TOTAL NUMBER OF OBSERVATIONS 339														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		.4	.8	1.0	.7	.3	.0			.0	.0		3.3	11.6	10.0
020-040		.2	.6	1.3	1.0	.7	.2						4.1	13.7	12.5
050-070		.4	.9	.7	.5	.2	.1						2.8	10.7	10.0
(E) 080-100		.4	.4	.5	.5	.4		.1	.1				2.5	13.6	14.0
110-130		.2	.6	.9	.4	.1	.2	.1	.1	.0			2.5	13.0	10.0
140-160		1.2	2.2	2.6	1.0	.3	.1	.1	.1	.1			7.7	11.0	10.0
(S) 170-190		2.5	4.2	1.7	.4	.0							8.9	7.0	6.0
200-220		1.4	3.5	3.8	2.2	.6	.2						11.6	10.6	10.0
230-250		2.0	4.1	4.8	4.0	1.0	.3	.1					16.3	11.4	10.0
(W) 260-280		1.2	2.8	3.5	3.0	1.6	1.0	.5	.1	.2			13.9	14.4	14.0
290-310		.6	1.5	3.3	2.6	1.4	.6	.1	.1	.1	.0		10.3	14.6	14.0
320-340		1.2	1.7	3.2	2.8	1.8	.6	.3	.1				11.7	14.3	14.0
VARIABLE															
CALM		////////////////////////////////////										4.3	////////////////////////////////		
TOTALS		11.7	23.3	27.3	19.1	8.4	3.3	1.3	.6	.4			100.0	11.7	11.0
TOTAL NUMBER OF OBSERVATIONS 3702															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	3.6	3.2	.9								8.1	9.0	9.5
020-040	.9	1.4	2.3	.5	.5	.9						6.3	12.3	11.0
050-070	1.4	1.8	.5	1.4	1.4	.5						6.8	12.9	11.0
(E) 080-100	.5	2.3	.5	1.4	1.4							5.9	12.5	14.0
110-130	.5	.9	1.4	1.8	.9	2.3	.5	.5	.5			9.0	19.9	19.5
140-160	2.7	2.3	1.8	2.7	.9			1.4	.9			12.7	15.6	12.0
(S) 170-190	.9	.5		.5								1.8	6.8	4.5
200-220	.9				.5							1.4	8.7	3.0
230-250	1.4	.9		.9	.9	.5						4.5	12.2	11.5
(W) 260-280	.5	2.3	.9									3.6	7.3	7.0
290-310	1.4	.5	1.4	.5	1.4	3.6						8.6	18.3	22.0
320-340	3.6	3.6	7.2	3.2	2.7	1.4	.5					22.2	12.8	12.0
VARIABLE														
CALM	////////////////////////////////////											9.0	////////	
TOTALS	15.2	20.1	19.2	13.8	10.6	9.2	1.0	1.9	1.4			100.0	12.4	12.0

TOTAL NUMBER OF OBSERVATIONS 221



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.4										.4	5.0	5.0
020-040	.4		.9	1.8								3.1	12.7	15.0
050-070	.4	.9		.4			.4					2.2	12.0	6.0
(E) 080-100	.9	.4					.4	.4				2.2	15.4	7.0
110-130			1.8	2.2	1.8	2.2	.4	1.3	.4			10.2	23.5	24.0
140-160		3.5	3.1	2.2	.9							9.7	11.9	10.0
(S) 170-190	2.2	1.8	.4									4.4	4.9	4.5
200-220	2.7	1.8	1.3	1.8	.4							8.0	9.3	8.0
230-250	2.2	2.7	4.0	1.8	.9							11.5	10.3	10.5
(W) 260-280	2.2	2.2	1.8	1.8	2.7							10.6	12.1	10.0
290-310	2.7	.4	1.3	.9	3.5							8.8	13.3	15.5
320-340	1.3	2.2	4.0	4.9	2.2	1.3	1.3					17.3	15.9	16.0
VARIABLE														
CALM	////////////////////											11.5	////////	
TOTALS	15.0	16.3	18.6	17.8	12.4	3.5	2.5	1.7	.4			100.0	11.9	12.5
TOTAL NUMBER OF OBSERVATIONS 226														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.9		.4	.4							1.8	9.5	9.0
020-040				.4							.4	18.0	18.0
050-070	.4		.9	.9	.4		.4				3.1	15.3	17.0
(E) 080-100	.9		.9			.4	.4				2.7	14.0	11.0
110-130	.4		1.3	2.2	1.3	.4	1.3	.9	.9		8.8	23.6	22.0
140-160	3.1	2.7	4.9	1.8	.4						12.8	9.5	10.0
(S) 170-190	3.5	1.8									5.3	3.8	4.0
200-220	.9	3.5	1.3								5.8	7.2	7.0
230-250	4.4	5.8	4.9	3.1	1.3						19.5	9.5	9.0
(W) 260-280	.9		2.2	.9	.9	.4					5.3	13.1	12.5
290-310	.4	.9	1.3	1.3	3.1	.9					8.0	16.3	18.5
320-340	1.3	2.7	2.7	2.7	3.5	2.2	.4	1.3			16.8	17.7	18.0
VARIABLE													
CALM	////////////////////////////////////										9.7	////////////////////////////////	
TOTALS	17.1	17.4	20.8	13.7	10.9	4.3	2.5	2.2	.9		100.0	11.8	12.0

TOTAL NUMBER OF OBSERVATIONS 226

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.3	.8	.8	.5	.5						3.5	13.5	13.5
020-040		.8	2.3	1.0	.3	.3						4.5	12.8	11.5
050-070	.3	1.5	.8	1.0	.5							4.0	11.4	11.0
(E) 080-100			1.0									1.0	10.8	10.5
110-130	.8	1.3	.8	1.8	1.5	.3	.5					6.8	15.1	17.0
140-160	1.5	1.5	2.8	1.3	.3							7.3	10.0	12.0
(S) 170-190	2.5	3.5	1.0	.3								7.3	6.1	5.0
200-220	2.0	5.0	3.0	.5	.3	.5						11.3	8.7	8.0
230-250	1.5	4.3	3.8	2.0	.3	.8						12.5	10.7	10.0
(W) 260-280	.8	2.8	2.5	2.3	1.5	.3						10.0	12.3	10.0
290-30	.5	.8	3.0	4.3	1.8		.3					10.5	14.7	15.0
320-340	.3	1.0	2.8	3.0	3.0	1.3	1.3	.3				12.8	18.4	19.0
VARIABLE														
CALM	////////////////////											8.8	////////	
TOTALS	11.0	22.8	24.6	18.3	10.0	4.0	2.1	.3				100.0	11.3	11.0
TOTAL NUMBER OF OBSERVATIONS 400														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.8	1.2	.4	.6	.2						3.9	11.0	10.0
020-040	.2	1.0	4.1	1.4	.4							7.0	11.8	12.0
050-070		.6	.8	.2			.2					1.8	12.1	10.0
(E) 080-100	.8	.6			.2	.2						1.8	8.8	5.0
110-130	.4	1.2	.6	1.0	1.2	.4	.2	.2				5.1	16.2	17.5
140-160	.8	2.3	2.1	.6		.2						6.0	9.4	9.0
(S) 170-190	4.1	3.9	.6									8.6	5.0	5.0
200-220	2.9	4.7	4.3	.8								12.7	8.2	8.0
230-250	2.9	2.9	3.7	3.1	1.0		.2					13.8	10.4	10.0
(W) 260-280	.4	1.8	3.5	2.7	1.0	.2						9.6	12.6	12.0
290-310	.4	.6	2.9	2.9	.8	.4						8.0	14.0	15.0
320-340	.6	1.8	3.7	2.3	3.3	1.6	.8	.2	.6			14.8	17.5	15.5
VARIABLE														
CALM	////////////////////////////////////											7.0	////////	
TOTALS	14.3	22.2	27.5	15.4	8.5	3.2	1.4	.4	.6			100.0	10.8	10.0
TOTAL NUMBER OF OBSERVATIONS 513														

OPERATING LOCATION "A"  
UAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.0	1.0	.6	.4	.2						3.5	11.7	11.0
020-040	.2	.6	1.4	2.3	1.2							5.6	14.3	15.0
050-070	.6	.2	2.7	.4								3.9	9.8	10.0
(E) 080-100	.4		.6	.2		.4						1.6	13.0	10.0
110-130	.2	.6	.8	.2	.4	.2		.4	.2			2.9	17.7	13.0
140-160	1.6	2.1	2.5	1.0	.6	.6	.2					8.5	11.5	10.0
(S) 170-190	3.1	4.3	.8									8.1	5.5	5.0
200-220	3.1	5.8	4.1	.8								13.8	7.8	8.0
230-250	2.3	3.3	7.2	3.5	1.6							17.8	11.1	10.0
(W) 260-280	.4	2.1	2.1	1.6	1.2	.2						7.6	12.5	12.0
290-310	.6	1.4	2.1	3.9	1.2	.4						9.5	13.7	15.0
320-340	.4	1.4	2.5	2.5	4.1	1.0	.4		.6			12.8	17.5	18.5
VARIABLE														
CALM	////////////////////////////////////											4.5	////////	
TOTALS	13.3	22.8	27.8	17.0	10.7	3.0	.6	.4	.8			100.0	11.3	10.0
TOTAL NUMBER OF OBSERVATIONS 516														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010		.8	1.7	1.1	.4	.2						4.2	13.3	12.5
020-040		.4	1.5	1.1	1.1	.6						4.6	16.4	15.0
050-070	.4	.6	1.1	.6	.8							3.6	12.5	12.0
(E) 080-100	.6	1.3	.2	.4	.2							2.7	8.5	5.0
110-130		.4	1.1	.4	.4		.2	.2	.6			3.4	21.1	16.5
140-160	1.1	3.4	2.7	2.1	.4	.2			.2			10.1	11.5	10.0
(S) 170-190	1.3	2.7	.6									4.6	6.4	6.0
200-220	2.9	3.8	4.0	.8								11.6	7.7	8.0
230-250	2.9	4.4	6.9	2.3	.8	.2						17.7	9.9	10.0
(W) 260-280	.6	1.3	2.7	2.1	.6	.2						7.6	12.4	12.0
290-310	.6	1.3	3.2	4.8	.2	.2	.2					10.5	13.1	15.0
320-340	1.1	2.1	2.7	4.2	2.3	1.1	1.1					14.5	15.7	15.0
VARIABLE														
CALM	////////////////////////////////////											4.8	////////////////////////////////	
TOTALS	11.5	22.5	28.4	19.9	7.2	2.7	1.5	.2	.8			100.0	11.4	10.0
TOTAL NUMBER OF OBSERVATIONS 475														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.3	1.0									1.6	7.6	10.0
020-040	.3	.3	1.3		.3	.6						2.9	13.3	10.0
050-070	.3	1.0	.6	.3	.3							2.6	10.6	9.5
(E) 080-100		.6										.6	6.0	6.0
110-130	.3	.3	1.9	1.9	.6		1.0	.6	.6			7.4	20.4	17.0
140-160	1.9	3.2	3.5	2.3	1.0	.6		.3				12.9	12.0	10.0
(S) 170-190	4.8	5.5	1.3									11.6	5.3	5.0
200-220	1.3	4.5	1.6									7.4	7.4	8.0
230-250	2.6	4.8	3.5	1.6	1.0							13.5	9.5	8.5
(W) 260-280	1.0	1.0	.6	1.6	2.3	.6	.6					7.7	16.6	17.5
290-310	1.0	1.6	3.5	3.2	1.0	.3	.3					10.9	13.0	12.0
320-340	1.3	1.9	4.5	1.9	3.2	1.3	.6	.6				15.4	16.6	15.5
VARIABLE														
CALM	////////////////////											5.5	////////	
TOTALS	15.1	25.0	23.3	12.8	9.7	3.4	2.5	1.5	.6			100.0	11.6	10.0
TOTAL NUMBER OF OBSERVATIONS 311														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.9	.4			.4						1.8	12.8	9.0
020-040	.4		2.2		.4							3.1	11.3	12.0
050-070		.9	.4	.9	.4							2.7	13.2	14.0
(E) 080-100		.4		.4			.4	.4				1.8	22.8	20.5
110-130			1.8	2.2	1.3	1.3	2.7					9.3	22.3	22.0
140-160	1.3	3.6	2.7	2.7	1.3	.4	.4					12.4	12.6	10.5
(S) 170-190	4.9	2.7	.9									8.4	4.7	4.0
200-220	4.9	3.1	3.6									11.6	7.0	6.5
230-250	1.8	.9	3.6	2.2	.4							8.9	10.3	10.0
(W) 260-280	.4	.9	1.8	.9	3.6	.4						8.0	15.6	17.5
290-310	.9	.4	2.7	2.7	1.8							8.4	14.4	15.0
320-340	1.8	1.8	4.9	4.4	1.3	.9	1.3	.4				16.9	15.1	14.5
VARIABLE														
CALM	////////////////////////////////////											6.7	////////////////////////////////	
TOTALS	16.4	15.6	25.0	16.4	10.5	3.4	4.8	.8				100.0	12.1	12.0
TOTAL NUMBER OF OBSERVATIONS 225														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6	.9	.5	.3	.2						3.0	11.8	10.0
020-040	.2	.5	1.9	1.1	.6	.2						4.5	13.4	12.0
050-070	.3	.7	1.1	.6	.3		.1					3.0	11.7	10.0
(E) 080-100	.4	.4	.3	.1	.1	.1	.1	.1				1.8	11.8	9.0
110-130	.3	.6	1.1	1.2	1.0	.4	.6	.4	.3			5.9	19.8	18.0
140-160	1.3	2.7	2.9	1.6	.5	.3	.1	.0	.0			9.4	11.1	10.0
(S) 170-190	3.2	3.5	.7	.0								7.4	5.3	5.0
200-220	2.6	4.3	3.2	.6	.1	.1						10.9	8.0	8.0
230-250	2.6	3.7	4.9	2.6	.9	.1	.0					14.8	10.3	10.0
(W) 260-280	.7	1.6	2.3	1.9	1.5	.3	.1					8.4	13.1	12.0
290-310	.8	1.0	2.6	3.3	1.4	.3	.1					9.4	13.9	15.0
320-340	.9	1.8	3.3	3.1	3.0	1.3	.9	.3	.2			14.7	16.9	16.0
VARIABLE														
CALM	////////////////////////////////////											6.8	////////	
TOTALS	13.7	21.4	25.2	16.6	9.7	3.3	2.0	.8	.5			100.0	11.4	10.0
TOTAL NUMBER OF OBSERVATIONS 2892														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	1.8	1.4	.7	1.1						7.1	13.5	14.0
020-040	.4	1.4	5.0	3.5	.7	.4						11.3	13.2	12.0
050-070	.7	1.4	1.8	2.1	.7							6.7	12.2	14.0
(E) 080-100		.4	1.8		.4	.7						3.2	14.7	10.0
110-130	.4	.7	.4	2.5	3.2	1.1	2.5	1.8	1.1			13.5	25.3	24.0
140-160	.4	1.4	1.8	.4	1.8	1.4	.4	.4				7.8	18.1	17.5
(S) 170-190	.7	1.1										1.8	5.0	5.0
200-220	.4	1.1	1.1									2.5	8.0	8.0
230-250		.7	3.2	1.1								5.0	11.9	12.0
(W) 260-280	1.4	1.1	1.4	1.1	.4							5.3	9.9	10.0
290-310	1.1	.4	1.1	1.1	1.1		.7					5.3	15.0	15.0
320-340	.7	5.7	5.0	2.1	5.3	.7	5.0	2.1	1.4			28.0	19.8	20.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	7.3	16.5	24.4	15.3	14.3	5.4	8.6	4.3	2.5			100.0	16.3	15.0

TOTAL NUMBER OF OBSERVATIONS 282

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.8	.7	.7	.4							4.3	9.7	8.0
020-040	.4	1.4	1.1	2.5	1.4	1.4	1.1					9.3	18.0	16.5
050-070	.7	.7	2.2	1.1	.7							5.4	11.7	11.0
(E) 080-100	.4	.7	.4									1.4	7.5	7.5
110-130	.7	.7	.4									1.8	6.6	8.0
140-160	.7	2.5	2.2	.4	.4							6.1	9.6	9.0
(S) 170-190	3.9	4.3	.4	.4								9.0	5.6	5.0
200-220	.7	3.9	3.2	1.1	.4							9.3	10.1	9.5
230-250	2.9	5.0	7.5	1.1	.4							16.8	8.9	10.0
(W) 260-280	.7	2.5	1.8	.7	.7	.4						6.8	11.1	10.0
290-310	.7	1.1	1.8	1.4	.4	.4						5.7	12.3	10.0
320-340	1.1	2.2	3.2	3.2	3.6	.7						14.0	14.6	15.0
VARIABLE														
CALM	////////////////////											10.0	////////	
TOTALS	13.6	26.8	24.9	12.6	8.4	2.9	1.1					100.0	10.0	10.0
TOTAL NUMBER OF OBSERVATIONS 279														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010		1.4	1.4	.4	.4							3.6	10.4	10.0
020-040		2.2	4.0	2.9	1.1	1.4	.4					11.9	15.4	14.0
050-070	.4	1.8	1.1		.4	.4						4.0	11.0	9.0
(E) 080-100	.7											.7	3.0	3.0
110-130	.4			.4	.4							1.1	14.0	16.0
140-160	2.9	.4	2.2	1.1								6.5	8.4	10.0
(S) 170-190	1.8	3.2	.7		.4							6.1	6.5	6.0
200-220	3.2	4.7	4.3	2.2	.4							14.7	9.0	8.0
230-250	3.2	4.0	2.9	4.3	.4							14.7	9.8	10.0
(W) 260-280	.7	1.4	1.1	3.2	.4							6.8	13.0	15.0
290-310	.7	.7	2.9	2.5								6.8	12.2	12.0
320-340	2.2	1.8	6.1	1.8	2.5	1.1						15.5	13.2	13.0
VARIABLE														
CALM	////////////////////////////////////											7.6	////////////////////////////////	
TOTALS	16.2	21.6	26.7	18.8	6.4	2.9	.4					100.0	10.3	10.0
TOTAL NUMBER OF OBSERVATIONS 278														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.4		.9	.2							1.7	12.9	16.0
020-040	1.1	1.1	3.2	2.4	1.7	.9						10.3	14.2	14.0
050-070	.9	1.3	2.6	1.1			.2					6.0	11.1	10.0
(E) 080-100	.4	.2	.6	.4	.4							2.1	12.5	12.0
110-130	.2	.4	.4	.9		.2						2.1	12.8	14.0
140-160	1.3	2.4	2.8	1.3	.2	.2						8.1	9.9	10.0
(S) 170-190	4.5	3.4	2.6	.4								10.9	6.6	6.0
200-220	1.1	5.1	1.7	1.7	.4	.6						10.7	10.4	8.0
230-250	.4	3.6	4.5	2.8	.9							12.2	11.5	10.0
(W) 260-280	.4	1.3	1.7	.9	.9	.2						5.3	12.4	10.0
290-310	1.1	1.1	1.9	1.7	1.3							7.1	12.7	13.0
320-340	2.1	1.9	5.6	2.8	1.9	.9						15.2	12.6	12.0
VARIABLE														
CALM	////////////////////											8.3	////////	
TOTALS	13.7	22.2	27.6	17.3	7.9	3.0	.2					100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 468														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.0	.6	.8	.6							2.9	12.9	14.0
020-040	1.1	1.0	2.9	1.5	.8							7.3	11.8	12.5
050-070	1.0	1.0	2.1	.4	.4							4.8	10.7	10.0
(E) 080-100	.8		.8	.4								1.9	9.2	10.5
110-130	.6	.4	.6	1.0	.4							2.9	11.7	12.0
140-160	1.9	3.1	2.7	1.5	.2	.8						10.1	10.6	10.0
(S) 170-190	4.2	4.2	1.3	1.1	.6	.2						11.7	7.7	5.0
200-220	1.1	6.1	5.0	1.5	.4	.2						14.3	9.6	9.0
230-250	1.5	2.1	4.8	2.1	.2							10.7	10.5	10.0
(W) 260-280	.4	2.7	1.5	.6	1.5	.2		.2				7.1	12.6	10.0
290-310	1.0	1.1	2.1	1.3	1.1	.2						6.9	12.6	12.0
320-340	.4	1.0	5.7	2.1	1.5	1.1						11.9	14.3	12.5
VARIABLE														
CALM	////////////////////////////////////											7.6	////////////////////////////////	
TOTALS	14.0	23.7	30.1	14.3	7.7	2.7		.2				100.0	10.2	10.0
TOTAL NUMBER OF OBSERVATIONS 523														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.3	.8	1.0	.6		.6					4.6	13.9	14.0
020-040	.4	2.1	1.9	1.5		.2	.2					6.4	11.7	11.0
050-070	1.0	2.1	1.0	.8	.8							5.6	10.3	8.0
(E) 080-100		.6	1.5	.6	.2							2.9	12.1	12.0
110-130	1.2	.2	.6	.4	.2							2.5	8.1	5.0
140-160	2.3	3.5	1.7	1.0	1.5	.6	.2					10.8	11.0	7.5
(S) 170-190	3.1	2.5	1.2	1.0	.6							8.3	8.0	5.0
200-220	3.1	4.0	4.0	1.7	1.3							14.3	9.8	9.5
230-250	1.7	2.5	3.9	2.1	.6	.2						11.0	10.5	10.0
(W) 260-280	1.0	2.9	.6	2.1	1.7							8.3	11.9	10.0
290-310	1.0	2.3	2.5	.8	1.2							7.7	10.9	10.0
320-340	.8	.6	3.3	1.9	3.5	.8	.2					11.0	15.9	16.0
VARIABLE														
CALM	////////////////////											6.7	////////	
TOTALS	16.0	24.6	23.0	14.9	12.2	1.8	1.2					100.0	10.5	10.0
TOTAL NUMBER OF OBSERVATIONS 519														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.2	.8	1.4	1.2	.4	.2	.2	.2				4.5	14.7	13.0
020-040		.2	1.4	1.0	.6	.8	.2						4.1	13.6	12.0
050-070		.4	1.8	2.1	.4	.4	.4						5.5	11.4	10.0
(E) 080-100		.6	.4	.6	.8	.4	.2						2.9	12.4	12.0
110-130		.4	.4	1.2	.4	.2							2.5	10.6	12.0
140-160		1.2	3.1	1.8	1.0	.2	.4	.4					8.0	10.7	9.0
(S) 170-190		2.9	3.3	2.0	.6	.4							9.2	7.6	6.0
200-220		3.9	4.3	2.7	1.2	1.0	.2						13.3	8.9	7.5
230-250		1.6	3.3	3.1	3.9	1.6							13.5	11.8	12.0
(W) 260-280		.8	.8	2.0	1.2	.6	.4						5.7	12.3	11.0
290-310		2.1	1.6	2.5	2.1	1.0	.2						9.6	11.4	11.0
320-340		1.0	1.6	3.1	5.5	1.4	.6	.2	.2				13.5	14.6	15.0
VARIABLE															
CALM		////////////////////////////////////											7.8	////////////////////////////////	
TOTALS		15.3	22.8	23.5	18.9	8.4	2.8	.8	.4				100.0	10.5	10.0
TOTAL NUMBER OF OBSERVATIONS 512															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.3	.6	.9		.3						2.1	14.3	15.0
020-040		.6	2.5	1.5	1.2	.6	.3					6.7	16.3	15.5
050-070		1.5	2.5	1.2	.6							5.8	12.6	11.0
(E) 080-100		.3	.9	.3	.3							1.8	12.8	11.0
110-130		.3	.9	.6								1.8	12.5	12.0
140-160	2.8	2.5	2.8	1.2	.6	.3						10.1	9.7	9.0
(S) 170-190	5.2	5.2	.9	.3								11.7	5.3	5.0
200-220	4.3	2.1	3.4	.3	.6							10.7	7.8	7.0
230-250	2.8	4.3	3.1	1.8	.3							12.3	8.6	7.0
(W) 260-280	1.2	1.5	.3	1.2	1.2		.6					6.1	13.4	12.5
290-310	1.2	.9	2.5	.3	1.8	.9						7.7	13.4	11.0
320-340	1.5	1.8	4.6	4.3	3.1	.9	.6					16.9	14.7	15.0
VARIABLE														
CALM	////////////////////////////////////											6.1	////////////////////////////////	
TOTALS	19.0	21.3	25.0	13.9	9.7	3.0	1.5					100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 326														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	.7	2.2		.7							4.3	10.9	10.0
020-040		2.2	2.2	1.1	1.4	1.4						8.2	15.9	14.0
050-070	1.1	2.2	1.1	1.1	.4							5.7	9.7	8.0
(E) 080-100	.7	.7		.4								1.8	6.2	6.0
110-130	1.1	.7			.4							2.2	6.8	4.0
140-160	3.9	2.9	1.8	2.2	.4							11.1	8.7	7.0
(S) 170-190	3.2	3.6	.7									7.5	5.3	5.0
200-220	3.2	2.2	4.7	.7								10.8	8.3	9.0
230-250	3.2	2.9	3.2	1.4								10.8	8.6	8.0
(W) 260-280	1.1	1.1	1.4	1.8	1.1							6.5	12.2	13.0
290-310	.4	1.1	.4	.4								2.2	9.8	8.5
320-340	1.1	2.2	3.2	5.0	4.7	2.2	.7					19.0	16.5	16.0
VARIABLE														
CALM	////////////////////////////////////										10.0	////////////////////////////////		
TOTALS	19.7	22.5	20.9	14.1	9.1	3.6	.7					100.0	9.9	10.0
TOTAL NUMBER OF OBSERVATIONS 279														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		.3	.9	.9	.8	.4	.1	.1	.0				3.5	12.8	12.0
020-040		.5	1.4	2.3	1.7	1.0	.6	.2					7.7	14.3	14.0
050-070		.7	1.5	1.9	.7	.4	.1	.0					5.4	11.0	10.0
(E) 080-100		.4	.3	.7	.4	.2	.0						2.1	10.9	12.0
110-130		.6	.4	.6	.5	.2	.0						2.2	10.4	10.0
140-160		2.0	2.7	2.2	1.2	.5	.3	.1					9.0	10.1	9.0
(S) 170-190		3.6	3.6	1.4	.6	.3	.0						9.5	6.8	5.0
200-220		2.5	4.3	3.6	1.4	.6	.2						12.5	9.3	9.0
230-250		1.9	3.3	4.1	2.5	.6	.0						12.5	10.3	10.0
(W) 260-280		.8	1.8	1.3	1.4	1.1	.2	.1	.0				6.6	12.4	10.5
290-310		1.1	1.3	2.1	1.4	.9	.2						7.0	12.0	12.0
320-340		1.2	1.5	4.4	3.3	2.6	1.0	.2	.0				14.1	14.5	14.0
VARIABLE															
CALM		////////////////////////////////////										7.9	////////////////////////////////		
TOTALS		15.6	23.0	25.5	15.9	8.8	2.7	.7					100.0	10.3	10.0

TOTAL NUMBER OF OBSERVATIONS 3184

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		.3	.9	.6	1.5	2.1							5.4	15.6	16.5
020-040		.9	1.5	5.4	3.0	3.6	3.6	1.2					19.2	17.5	17.5
050-070		1.5	2.7	4.5	.9	.3		.3					10.2	10.6	10.0
(E) 080-100		.9	.9	1.2	.6								3.6	8.7	9.0
110-130		.3	.3	.3	.9	.3							2.1	12.7	15.0
140-160		1.8	1.2	.9	3.0	1.8	1.8	.6					11.1	16.1	16.0
(S) 170-190		1.5		.3	.3								2.1	5.9	4.0
200-220		1.2	.9	.3									2.4	5.3	4.5
230-250		1.5	.6	1.2	.6	1.2							5.1	11.2	10.0
(W) 260-280		.9	1.8	1.8	1.2	.6		.3					6.6	11.9	10.0
290-310		.9	1.5	1.2	2.1	1.8	.3						7.8	14.0	15.5
320-340		.9	1.5	7.8	5.1	4.2	1.2	.3					21.0	15.2	15.0
VARIABLE															
CALM		////////////////////////////////////											3.3	////////	
TOTALS		12.6	13.8	25.5	19.2	15.9	6.9	2.7					100.0	13.6	14.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.3	1.4	.6	.4	.1	.1	.0	.0	.0		4.6	11.2	10.0
020-040	.3	.8	1.3	.9	.5	.2	.1	.0	.0			4.0	13.5	12.0
050-070	1.4	2.9	1.6	.5	.2	.1	.0	.0				6.7	8.8	8.0
(E) 080-100	1.5	2.0	1.2	.6	.4	.2	.1	.0	.0	.0		6.0	9.9	8.0
110-130	.4	.9	1.1	.8	.5	.2	.1	.1	.0			4.1	14.0	12.0
140-160	1.5	4.0	4.7	1.8	.8	.2	.2	.0	.0			13.3	11.1	10.0
(S) 170-190	2.5	4.3	1.9	.5	.2	.0	.0	.0				9.5	7.6	7.0
200-220	1.3	3.1	2.6	.9	.3	.1	.0	.0				8.3	9.6	9.0
230-250	1.9	3.2	3.2	1.6	.5	.1	.0	.0				10.5	9.9	10.0
(W) 260-280	1.4	1.8	1.6	1.0	.6	.2	.1	.0	.0			6.7	10.8	10.0
290-310	.8	1.2	1.7	1.3	.6	.2	.1	.0	.0	.0		5.9	12.2	12.0
320-340	1.2	2.4	3.4	2.3	1.7	.5	.2	.0	.0			11.7	13.1	12.0
VARIABLE														
CALM	////////////////////											8.7	////////	
TOTALS	14.8	27.9	25.7	12.8	6.7	2.1	1.0	.1				100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS: 45020

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.3	2.6	2.9	1.1	1.1	.2	.1	.0				9.3	11.4	10.0
020-040		.5	1.1	1.8	1.0	.7	.4	.2	.0	.0			5.7	14.0	12.0
050-070		2.5	4.9	2.8	1.1	.6	.2	.1					12.0	9.1	8.0
(E) 080-100		2.7	3.4	1.8	1.5	1.4	.5	.2	.1	.1	.0		11.7	11.4	8.0
110-130		.4	.9	1.1	1.1	1.1	.8	.4	.2	.1			6.0	17.5	17.0
140-160		1.1	2.3	2.5	1.3	1.5	.6	.4	.2	.1			9.9	13.8	12.0
(S) 170-190		1.2	1.5	.5	.2	.2	.0	.0					3.7	7.8	6.0
200-220		.4	.7	.3	.1	.1							1.6	7.9	7.0
230-250		1.3	1.0	.9	.4	.3	.1						3.8	8.9	8.0
(W) 260-280		1.6	1.1	.8	.4	.4	.1	.0					4.5	9.2	7.0
290-310		1.1	.9	.9	.8	.6	.3	.1	.0				4.7	12.1	10.0
320-340		1.9	3.8	4.2	3.1	2.5	.6	.3	.1	.1			16.6	13.0	12.0
VARIABLE															
CALM		////////////////////////////////////										10.5	////////////////////////////////		
TOTALS		16.0	24.2	20.5	12.1	10.5	3.8	1.8	.6	.4			100.0	10.6	10.0

TOTAL NUMBER OF OBSERVATIONS: 7030

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRR	TT	DD DD
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.



NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 20000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 18000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 16000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 14000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 12000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 10000	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 9000	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 8000	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 7000	23.8	23.8	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 6000	24.1	24.1	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 5000	24.4	24.4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 4500	24.4	24.4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 4000	25.2	25.2	25.7	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 3500	26.6	26.6	27.6	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 3000	32.8	33.1	34.4	35.2	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 2500	41.5	42.3	44.4	46.1	46.9	46.9	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 2000	54.5	57.7	62.6	65.0	67.5	67.5	69.4	69.9	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 1800	55.6	59.1	64.2	67.2	70.2	70.2	72.1	72.9	72.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 1500	58.3	62.9	70.2	74.3	78.0	78.0	80.2	81.0	81.0	82.9	82.9	82.9	83.7	83.7	83.7	83.7
GE 1200	58.3	62.9	71.0	75.3	81.6	81.6	84.8	85.9	85.9	88.1	88.1	88.1	88.9	88.9	88.9	88.9
GE 1000	58.3	62.9	71.3	75.6	82.7	82.7	86.7	88.1	88.1	90.5	90.5	90.5	91.3	91.3	91.3	91.3
GE 900	58.3	62.9	71.5	75.9	82.9	82.9	87.3	88.6	88.6	91.1	91.1	91.1	91.9	91.9	91.9	91.9
GE 800	58.3	62.9	71.5	75.9	83.5	83.5	88.3	89.7	89.7	93.8	93.8	93.8	94.9	94.9	94.9	94.9
GE 700	58.3	62.9	71.5	75.9	83.5	83.5	88.3	89.7	89.7	94.6	94.6	94.6	95.9	95.9	95.9	95.9
GE 600	58.3	62.9	71.5	75.9	83.5	83.5	88.3	89.7	89.7	94.9	94.9	94.9	96.2	96.2	96.7	6.7
GE 500	58.3	62.9	71.5	75.9	83.5	83.5	88.3	89.7	89.7	95.4	95.4	95.4	96.7	96.7	97.3	97.3
GE 400	58.3	62.9	71.5	75.9	83.5	83.5	88.3	89.7	89.7	95.4	95.4	95.4	97.8	97.8	98.6	98.9
GE 300	58.3	62.9	71.5	75.9	83.5	83.5	88.6	90.0	90.0	95.9	95.9	95.9	98.4	98.4	99.2	99.5
GE 200	58.3	62.9	71.5	75.9	83.5	83.5	88.6	90.0	90.0	95.9	95.9	95.9	98.4	98.4	99.5	100.0
GE 100	58.3	62.9	71.5	75.9	83.5	83.5	88.6	90.0	90.0	95.9	95.9	95.9	98.4	98.4	99.5	100.0
GE 000	58.3	62.9	71.5	75.9	83.5	83.5	88.6	90.0	90.0	95.9	95.9	95.9	98.4	98.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 20000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 18000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.3
GE 16000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 14000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 12000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 10000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 9000	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
GE 8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
GE 7000	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 6000	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 5000	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 4500	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 4000	22.7	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
GE 3500	25.9	26.5	26.5	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 3000	33.2	34.6	35.9	36.2	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 2500	43.5	46.2	49.2	50.0	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.1	51.1	51.1	51.1
GE 2000	54.6	60.0	65.1	67.6	68.9	69.2	69.5	69.7	69.7	70.8	71.1	71.1	71.6	71.6	71.6	71.6
GE 1800	55.7	61.9	68.1	70.8	73.5	73.8	75.1	75.4	75.4	76.8	77.3	77.3	77.8	77.8	77.8	77.8
GE 1500	57.3	64.3	72.4	77.0	80.3	80.5	82.7	83.2	83.2	84.9	85.7	85.7	86.8	86.8	86.8	86.8
GE 1200	57.3	64.9	73.2	77.8	81.1	81.4	83.8	84.6	84.6	87.0	88.1	88.1	89.5	89.5	89.5	89.5
GE 1000	57.3	65.4	73.8	78.4	83.0	83.2	86.2	87.0	87.0	89.7	90.8	90.8	92.4	92.4	92.4	92.4
GE 900	57.3	65.4	73.8	78.4	83.2	83.5	86.5	87.3	87.3	90.0	91.1	91.1	92.7	92.7	92.7	92.7
GE 800	57.3	65.7	74.1	78.6	84.1	84.3	87.6	88.6	88.6	93.5	94.6	94.6	96.2	96.2	96.2	96.2
GE 700	57.3	65.7	74.1	78.6	84.1	84.3	87.6	88.6	88.6	93.8	94.9	94.9	96.5	96.5	96.5	96.5
GE 600	57.3	65.7	74.1	78.6	84.1	84.3	87.6	88.6	88.6	94.3	95.4	95.4	97.0	97.0	97.0	97.0
GE 500	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	94.9	95.9	95.9	97.6	97.6	97.6	97.6
GE 400	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	95.1	96.2	96.2	98.6	98.6	99.2	99.5
GE 300	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	95.1	96.2	96.2	98.6	98.6	99.2	99.5
GE 200	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	95.1	96.2	96.2	98.6	98.6	99.5	100.0
GE 100	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	95.1	96.2	96.2	98.6	98.6	99.5	100.0
GE 000	57.3	65.7	74.1	78.6	84.3	84.6	87.8	88.9	88.9	95.1	96.2	96.2	98.6	98.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 370

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 20000	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 18000	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 16000	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 14000	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 12000	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 10000	18.5	18.5	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 9000	18.7	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 8000	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 7000	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 6000	22.3	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 5000	24.6	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 4500	24.8	24.8	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
GE 4000	25.8	26.0	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 3500	28.2	28.7	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 3000	36.0	36.5	39.4	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 2500	43.5	45.1	50.4	51.7	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 2000	53.3	57.9	65.8	68.6	70.9	70.9	71.3	71.5	71.5	72.2	72.5	72.5	72.9	72.9	72.9	72.9
GE 1800	54.5	60.6	69.5	72.9	75.9	75.9	76.5	76.6	76.6	77.4	77.7	77.7	78.1	78.1	78.1	78.1
GE 1500	54.9	61.0	71.3	75.8	79.3	79.3	80.0	80.4	80.4	81.1	81.6	81.6	82.7	82.7	82.7	82.7
GE 1200	55.6	61.9	72.4	77.7	83.2	83.2	84.7	85.0	85.0	86.1	86.6	86.6	87.7	87.7	87.7	87.7
GE 1000	55.6	62.4	73.3	79.0	85.7	85.7	87.1	88.4	88.4	89.7	90.2	90.2	91.8	91.8	91.8	91.8
GE 900	55.6	62.4	73.3	79.0	85.9	85.9	88.1	88.9	88.9	90.2	90.7	90.7	92.3	92.3	92.3	92.3
GE 800	55.6	62.4	73.3	79.0	85.9	85.9	88.1	89.1	89.1	91.4	92.0	92.0	93.9	93.9	93.9	93.9
GE 700	55.6	62.4	73.3	79.0	85.9	85.9	88.1	89.1	89.1	91.6	92.2	92.2	94.1	94.1	94.1	94.1
GE 600	55.6	62.4	73.3	79.0	86.3	86.3	88.6	90.0	90.0	93.2	93.9	93.9	96.6	96.6	96.6	96.6
GE 500	55.6	62.4	73.3	79.0	86.5	86.5	88.8	90.2	90.2	93.4	94.1	94.1	96.8	96.8	97.0	97.0
GE 400	55.6	62.4	73.3	79.0	86.5	86.5	88.9	90.4	90.4	93.8	94.5	94.5	97.5	97.5	97.7	97.7
GE 300	55.6	62.4	73.3	79.0	86.5	86.5	88.9	90.4	90.4	93.9	94.7	94.7	97.7	97.7	98.0	98.0
GE 200	55.6	62.4	73.3	79.0	86.6	86.6	89.1	90.7	90.7	94.3	95.0	95.0	98.8	98.8	99.5	99.5
GE 100	55.6	62.4	73.3	79.0	86.6	86.6	89.1	90.7	90.7	94.7	95.4	95.4	99.1	99.1	99.8	99.8
GE 000	55.6	62.4	73.3	79.0	86.6	86.6	89.1	90.7	90.7	94.7	95.4	95.4	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 561

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.0	19.0	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 20000	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 18000	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 16000	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 14000	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 12000	19.5	19.5	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 10000	19.5	19.5	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 9000	20.0	20.0	20.0	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 8000	21.9	21.9	21.9	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
GE 7000	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 6000	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 5000	28.3	28.3	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 4500	28.4	28.4	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
GE 4000	31.6	31.6	31.7	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 3500	34.0	34.1	34.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 3000	42.1	42.5	44.1	44.8	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 2500	49.4	50.2	53.3	54.6	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 2000	55.7	57.8	63.3	66.0	69.2	69.4	69.7	69.7	69.7	70.3	70.3	70.3	70.5	70.5	70.5	70.5
GE 1800	57.3	60.3	67.0	70.6	74.6	74.8	75.1	75.1	75.1	75.9	75.9	75.9	76.2	76.2	76.2	76.2
GE 1500	59.7	63.7	72.7	77.3	84.1	84.3	85.6	85.7	85.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3
GE 1200	60.2	64.3	74.0	79.0	86.7	86.8	88.6	88.7	88.7	89.8	89.8	89.8	90.5	90.5	90.5	90.5
GE 1000	60.2	64.3	74.3	79.5	87.9	88.3	90.0	90.3	90.3	91.9	92.1	92.1	92.9	92.9	92.9	92.9
GE 900	60.2	64.4	74.4	79.7	88.1	88.4	90.2	91.0	91.0	92.7	92.9	92.9	93.7	93.7	93.7	93.7
GE 800	60.2	64.4	74.4	79.8	88.3	88.6	90.3	91.1	91.1	93.5	93.8	93.8	94.9	94.9	94.9	94.9
GE 700	60.2	64.4	74.4	79.8	88.3	88.6	90.5	91.3	91.3	93.7	94.0	94.0	95.1	95.1	95.1	95.1
GE 600	60.2	64.4	74.4	79.8	88.3	88.6	90.6	91.4	91.4	94.1	94.4	94.4	95.7	95.7	95.7	95.7
GE 500	60.2	64.4	74.4	79.8	88.3	88.6	90.6	91.6	91.6	94.8	95.1	95.1	96.5	96.5	96.5	96.7
GE 400	60.2	64.4	74.4	79.8	88.3	88.6	90.6	91.7	91.7	95.4	95.7	95.7	97.5	97.5	97.5	97.6
GE 300	60.2	64.4	74.4	79.8	88.3	88.6	90.6	91.7	91.7	95.6	95.9	95.9	97.9	97.9	97.9	98.3
GE 200	60.2	64.4	74.4	79.8	88.3	88.6	90.8	91.9	91.9	95.7	96.2	96.2	98.6	98.6	98.9	99.2
GE 100	60.2	64.4	74.4	79.8	88.3	88.6	90.8	91.9	91.9	95.9	96.3	96.3	98.9	98.9	99.4	99.8
GE 000	60.2	64.4	74.4	79.8	88.3	88.6	90.8	91.9	91.9	95.9	96.3	96.3	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.0	18.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 20000	19.4	19.4	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 18000	19.4	19.4	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 15000	19.6	19.6	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 14000	20.0	20.0	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 12000	20.3	20.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 10000	21.3	21.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 9000	21.9	21.9	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
GE 8000	22.6	22.6	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
GE 7000	23.5	23.5	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 6000	25.6	25.6	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
GE 5000	28.6	28.8	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 4500	28.6	28.8	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 4000	31.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 3500	33.1	33.4	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 3000	39.9	40.5	42.9	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 2500	48.5	49.6	53.1	53.9	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 2000	5.0	59.0	64.5	67.6	68.8	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 1800	58.5	62.5	69.3	72.8	74.7	74.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 1500	59.8	64.4	73.0	78.1	82.0	82.0	84.3	84.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	60.1	64.9	73.9	79.5	83.6	83.6	87.0	87.6	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	60.1	64.9	74.2	80.1	84.9	84.9	88.4	89.0	89.0	90.5	90.6	90.6	90.8	90.8	90.8	90.8
GE 900	60.1	64.9	74.2	80.1	84.9	84.9	88.4	89.0	89.0	90.5	90.6	90.6	90.8	90.8	90.8	90.8
GE 800	60.3	65.0	74.4	80.4	85.5	85.5	89.7	90.3	90.3	91.9	92.5	92.5	93.0	93.0	93.2	93.2
GE 700	60.3	65.0	74.7	80.8	85.9	85.9	90.0	90.6	90.6	92.2	92.8	92.8	93.3	93.3	93.5	93.5
GE 600	60.3	65.0	74.7	80.8	86.3	86.3	90.6	91.4	91.6	93.3	94.0	94.0	94.6	94.6	94.8	94.8
GE 500	60.3	65.0	74.7	80.8	86.3	86.3	90.6	91.4	91.6	93.8	94.8	94.8	95.5	95.5	95.7	95.7
GE 400	60.3	65.0	74.7	80.8	86.5	86.5	90.8	91.6	91.7	94.1	95.1	95.2	96.5	96.5	96.7	97.0
GE 300	60.3	65.0	74.7	80.8	86.5	86.5	90.8	91.6	91.7	94.1	95.1	95.2	97.0	97.0	97.1	97.5
GE 200	60.3	65.0	74.7	80.8	86.5	86.5	90.8	91.6	91.7	94.3	95.2	95.4	97.6	97.6	98.3	98.7
GE 100	60.3	65.0	74.7	80.8	86.5	86.5	90.8	91.6	91.7	94.3	95.2	95.4	97.8	97.8	98.6	99.4
GE 000	60.3	65.0	74.7	80.8	86.5	86.5	90.8	91.6	91.7	94.3	95.2	95.4	97.9	97.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 629

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 20000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 18000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 16000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 14000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 12000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 10000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 9000	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 8000	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 7000	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 6000	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
GE 5000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 4500	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 4000	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
GE 3500	28.8	29.1	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
GE 3000	37.2	38.5	39.5	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 2500	45.8	48.1	50.2	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 2000	55.2	59.2	63.4	66.8	69.3	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 1800	57.3	62.3	67.5	72.0	74.8	74.8	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 1500	58.6	63.9	69.6	76.4	82.0	82.0	83.5	84.0	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3
GE 1200	59.1	64.7	70.6	77.5	83.5	83.5	85.4	85.9	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 1000	59.4	65.4	71.4	78.8	85.1	85.1	88.3	88.8	88.8	90.0	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	59.4	65.4	71.4	78.8	85.3	85.3	88.5	89.2	89.2	90.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	59.4	65.4	71.4	79.0	85.8	85.8	89.2	90.1	90.1	91.6	92.6	92.6	94.0	94.0	94.0	94.0
GE 700	59.4	65.4	71.4	79.1	85.9	85.9	89.3	90.5	90.5	91.9	92.9	92.9	94.3	94.3	94.3	94.3
GE 600	59.5	65.5	71.5	79.4	86.2	86.2	89.8	91.1	91.1	92.9	94.0	94.0	95.5	95.5	95.5	95.5
GE 500	59.5	65.5	71.5	79.4	86.2	86.2	90.1	91.4	91.4	93.4	94.7	94.7	96.1	96.1	96.1	96.1
GE 400	59.5	65.5	71.5	79.4	86.2	86.2	90.1	91.4	91.4	93.5	94.8	94.8	96.4	96.4	96.4	96.4
GE 300	59.5	65.5	71.5	79.4	86.2	86.2	90.1	91.4	91.4	93.7	95.1	95.5	97.2	97.2	97.6	97.6
GE 200	59.5	65.5	71.5	79.4	86.2	86.2	90.1	91.4	91.4	93.7	95.3	95.6	97.9	97.9	98.4	98.4
GE 100	59.5	65.5	71.5	79.4	86.2	86.2	90.3	91.6	91.6	94.0	95.6	96.0	98.4	98.4	99.4	99.5
GE 000	59.5	65.5	71.5	79.4	86.2	86.2	90.3	91.6	91.6	94.0	95.8	96.1	98.7	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 618

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 70 390

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.8	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 20000	18.2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 18000	18.2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 16000	18.2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 14000	19.2	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 12000	19.2	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 10000	20.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 9000	21.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 8000	21.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
GE 7000	22.7	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 6000	23.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
GE 5000	24.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 4500	24.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 4000	24.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
GE 3500	27.1	28.5	28.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 3000	34.3	36.2	36.4	37.4	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 2500	43.0	46.0	47.2	49.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 2000	50.5	54.4	57.0	59.8	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 1800	53.3	58.2	62.4	65.8	69.4	69.4	69.9	69.9	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 1500	57.7	62.9	68.0	73.4	79.2	79.4	81.1	81.5	81.5	82.2	82.5	82.5	82.5	82.5	82.5	82.5
GE 1200	58.4	64.3	69.6	75.2	81.3	81.5	85.5	86.2	86.2	87.6	87.9	87.9	88.1	88.1	88.1	88.1
GE 1000	58.4	64.3	69.9	75.5	81.5	81.8	86.4	87.6	87.6	90.0	90.4	90.4	90.9	90.9	90.9	90.9
GE 900	58.4	64.3	69.9	75.5	81.5	81.8	86.7	87.9	87.9	90.4	90.9	90.9	91.6	91.6	91.6	91.6
GE 800	58.6	64.5	70.1	75.7	81.8	82.0	87.4	89.0	89.0	92.3	93.0	93.0	94.2	94.2	94.4	94.4
GE 700	58.6	64.5	70.1	75.7	81.8	82.0	87.4	89.0	89.0	92.5	93.2	93.2	94.4	94.4	94.6	94.6
GE 600	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.5	94.2	94.2	95.8	95.8	96.5	96.5
GE 500	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.5	94.2	94.2	96.7	96.7	97.9	97.9
GE 400	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.5	94.2	94.2	96.7	96.7	98.4	98.4
GE 300	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.7	94.4	94.4	97.0	97.0	98.6	98.6
GE 200	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.7	94.4	94.4	97.0	97.0	98.6	98.6
GE 100	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.7	94.9	94.9	98.1	98.1	99.8	100.0
GE 000	58.6	64.5	70.1	75.7	81.8	82.0	87.6	89.5	89.5	93.7	94.9	94.9	98.1	98.1	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 428



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 20000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 18000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 16000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 14000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 12000	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 10000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 9000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 8000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 7000	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 6000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 5000	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
GE 4500	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
GE 4000	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 3500	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 3000	36.0	36.3	36.3	36.9	37.4	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 2500	43.4	44.4	45.3	46.6	47.2	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 2000	53.4	57.7	62.1	64.8	66.9	66.9	67.5	67.5	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 1800	55.0	60.2	64.8	67.8	70.7	70.7	71.5	71.5	71.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1500	60.7	66.1	72.9	76.2	82.1	82.1	83.5	83.5	83.5	84.6	85.4	85.4	85.4	85.4	85.4	85.4
GE 1200	60.7	66.9	74.5	78.0	84.6	84.6	87.5	87.5	87.5	88.6	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	60.7	66.9	74.8	78.6	85.1	85.1	89.2	89.2	89.2	91.1	91.9	91.9	92.1	92.1	92.1	92.1
GE 900	60.7	66.9	74.8	78.6	85.1	85.1	89.2	89.2	89.2	91.1	91.9	91.9	92.1	92.1	92.1	92.1
GE 800	60.7	66.9	74.8	78.6	85.1	85.1	90.5	90.5	90.5	93.5	94.9	94.9	95.4	95.4	95.4	95.4
GE 700	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.0	95.4	95.4	95.9	95.9	95.9	95.9
GE 600	60.7	66.9	74.8	8.6	85.1	85.1	90.8	90.8	90.8	94.0	95.7	95.7	96.2	96.2	96.5	96.5
GE 500	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.3	95.9	95.9	96.7	96.7	97.0	97.0
GE 400	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.6	96.2	96.2	98.1	98.1	98.6	98.6
GE 300	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.6	96.2	96.2	98.6	98.6	99.2	99.5
GE 200	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.6	96.2	96.2	98.9	98.9	99.5	100.0
GE 100	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.6	96.2	96.2	98.9	98.9	99.5	100.0
GE 000	60.7	66.9	74.8	78.6	85.1	85.1	90.8	90.8	90.8	94.6	96.2	96.2	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.3	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 20000	19.1	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 18000	19.1	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 16000	19.1	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 14000	19.5	19.6	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 12000	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 10000	20.2	20.3	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 9000	20.5	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 8000	21.8	21.9	22.0	22.0	22.0	22.0	2.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 7000	22.8	22.9	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 6000	24.0	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 5000	25.8	25.9	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 4500	25.8	26.0	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 4000	27.5	27.7	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 3500	29.7	30.1	30.5	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 3000	37.0	37.9	39.3	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 2500	45.3	47.0	49.8	51.2	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 2000	54.3	58.1	63.2	66.0	68.2	68.2	68.8	68.9	68.9	69.4	69.4	69.4	69.6	69.6	69.6	69.6
GE 1800	56.1	60.8	66.9	70.5	73.4	73.4	74.2	74.3	74.3	75.0	75.1	75.1	75.3	75.3	75.3	75.3
GE 1500	58.4	63.6	71.3	76.2	81.2	81.2	82.8	83.2	83.2	84.0	84.3	84.3	84.8	84.8	84.8	84.8
GE 1200	58.8	64.3	72.4	77.7	83.4	83.5	86.1	86.6	86.6	87.7	88.0	88.0	88.5	88.5	88.5	88.5
GE 1000	58.8	64.5	72.9	78.4	84.8	84.9	88.1	88.7	88.7	90.4	90.9	90.9	91.6	91.6	91.6	91.6
GE 900	58.8	64.5	73.0	78.5	84.9	85.0	88.2	89.0	89.0	90.8	91.3	91.3	92.0	92.0	92.0	92.0
GE 800	58.9	64.6	73.0	78.6	85.3	85.4	89.0	89.9	89.9	92.6	93.2	93.2	94.4	94.4	94.5	94.5
GE 700	58.9	64.6	73.1	78.7	85.4	85.5	89.1	90.1	90.1	92.9	93.6	93.6	94.8	94.8	94.8	94.8
GE 600	58.9	64.6	73.1	78.8	85.5	85.6	89.4	90.5	90.5	93.7	94.4	94.4	95.8	95.8	96.0	96.0
GE 500	58.9	64.6	73.1	78.8	85.6	85.7	89.5	90.6	90.6	94.1	94.9	94.9	96.5	96.5	96.8	96.8
GE 400	58.9	64.6	73.1	78.8	85.6	85.7	89.6	90.7	90.7	94.4	95.2	95.2	97.3	97.3	97.7	97.8
GE 300	58.9	64.6	73.1	78.8	85.6	85.7	89.6	90.7	90.7	94.5	95.4	95.4	97.7	97.7	98.2	98.4
GE 200	58.9	64.6	73.1	78.8	85.6	85.7	89.6	90.8	90.8	94.6	95.5	95.6	98.2	98.2	98.9	99.2
GE 100	58.9	64.6	73.1	78.8	85.6	85.7	89.7	90.8	90.8	94.7	95.7	95.8	98.5	98.5	99.4	99.8
GE 000	58.9	64.6	73.1	78.8	85.6	85.7	89.7	90.8	90.8	94.7	95.7	95.8	98.6	98.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3974

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	7.2	7.2	7.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
GE 20000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 18000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 16000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 14000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 12000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 10000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 9000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 8000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 7000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 6000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 5000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 4500	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 4000	7.8	7.8	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 3500	11.1	11.1	11.4	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
GE 3000	16.5	16.8	17.4	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 2500	27.9	30.0	33.0	34.5	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 2000	41.7	45.9	51.4	58.3	62.2	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1
GE 1800	42.9	47.4	53.5	62.8	67.6	67.6	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
GE 1500	46.5	51.7	59.8	71.5	77.5	77.5	79.6	79.6	79.6	80.8	81.1	81.1	81.1	81.1	81.4	81.4
GE 1200	46.5	52.3	60.4	72.1	80.2	80.2	83.2	83.5	83.5	85.0	85.3	85.3	85.3	85.3	85.6	85.6
GE 1000	46.5	52.3	60.4	72.7	80.8	80.8	84.7	85.0	85.0	88.3	88.6	88.6	88.6	88.6	88.9	88.9
GE 900	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	89.8	90.7	90.7	90.7	90.7	91.0	91.0
GE 800	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	90.7	91.6	91.6	92.8	92.8	93.1	93.1
GE 700	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.3	92.2	92.2	93.4	93.4	93.7	93.7
GE 600	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.6	92.8	92.8	94.9	94.9	95.8	95.8
GE 500	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.6	92.8	92.8	95.5	95.5	96.7	96.7
GE 400	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.9	93.7	93.7	96.7	96.7	97.9	97.9
GE 300	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.9	94.0	94.0	97.0	97.0	98.2	98.2
GE 200	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.9	94.0	94.0	97.3	97.3	98.5	98.5
GE 100	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.9	94.0	94.0	97.3	97.3	98.5	99.4
GE 000	46.5	52.3	60.4	73.0	81.1	81.1	86.2	86.5	86.5	91.9	94.0	94.0	97.3	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 20000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 18000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 16000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 14000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 12000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 10000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 9000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 8000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 7000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 6000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 5000	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 4500	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 4000	11.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 3500	15.4	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 3000	21.7	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 2500	35.2	38.0	40.1	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 2000	42.8	47.0	54.2	58.4	61.4	61.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 1800	44.0	48.2	57.8	65.7	69.3	69.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 1500	45.8	50.6	62.0	71.4	77.4	77.4	81.3	81.6	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1200	45.8	50.6	62.0	71.4	78.3	78.3	83.7	84.0	84.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5
GE 1000	45.8	50.6	62.3	71.7	79.2	79.2	86.4	86.7	86.7	91.3	91.6	91.6	91.9	91.9	91.9	91.9
GE 900	45.8	50.6	62.3	71.7	79.2	79.2	86.4	87.0	87.0	91.6	91.9	91.9	92.2	92.2	92.2	92.2
GE 800	45.8	50.6	62.3	71.7	79.5	79.5	87.3	88.6	88.6	93.4	93.7	93.7	94.0	94.0	94.0	94.0
GE 700	45.8	50.6	62.3	71.7	80.1	80.1	88.3	89.5	89.5	94.6	94.9	94.9	95.2	95.2	95.2	95.2
GE 600	45.8	50.6	62.3	71.7	80.1	80.1	88.3	89.5	89.5	94.6	94.9	94.9	95.2	95.2	96.1	96.1
GE 500	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	95.5	95.5	96.4	96.4
GE 400	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	95.8	95.8	96.7	96.7
GE 300	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	95.8	95.8	97.0	97.0
GE 200	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	96.7	96.7	98.5	98.8
GE 100	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	96.7	96.7	98.8	100.0
GE 000	45.8	50.6	62.3	71.7	80.1	80.1	88.6	89.8	89.8	94.9	95.2	95.2	96.7	96.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 332

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 20000	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 18000	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 16000	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 14000	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 12000	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6
GE 10000	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.6
GE 9000	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.6
GE 8000	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.6
GE 7000	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.6
GE 6000	17.4	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	18.0
GE 5000	19.2	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.0
GE 4500	19.4	19.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.2
GE 4000	20.4	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.2
GE 3500	22.6	23.0	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.6
GE 3000	28.1	28.9	29.1	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1
GE 2500	33.1	35.9	37.7	38.9	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.7
GE 2000	38.7	44.3	52.3	56.1	59.5	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.1
GE 1800	40.5	47.5	57.3	62.7	67.1	67.1	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1
GE 1500	41.9	49.3	60.3	66.7	75.6	75.6	77.4	77.8	77.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
GE 1200	41.9	49.3	60.7	67.1	76.2	76.2	79.6	80.2	80.2	81.8	81.8	81.8	81.8	81.8	81.8	82.0
GE 1000	41.9	49.3	61.3	67.7	76.8	76.8	81.8	83.8	83.8	86.6	86.8	86.8	86.8	86.8	86.8	87.0
GE 900	41.9	49.3	61.3	67.7	76.8	76.8	81.8	83.8	83.8	86.8	87.0	87.0	87.0	87.0	87.0	87.2
GE 800	41.9	49.3	61.3	67.7	77.6	77.6	83.2	85.6	85.6	90.4	90.6	90.6	90.6	90.6	91.2	91.4
GE 700	41.9	49.3	61.3	67.7	77.6	77.6	84.0	86.4	86.4	91.4	91.6	91.6	91.6	91.6	92.4	92.6
GE 600	41.9	49.3	61.3	67.7	77.8	77.8	84.2	86.6	86.6	91.6	91.8	91.8	92.0	92.0	92.8	93.0
GE 500	41.9	49.3	61.3	67.7	77.8	77.8	84.6	87.0	87.0	92.4	92.6	92.6	93.2	93.2	94.0	94.6
GE 400	41.9	49.3	61.3	67.7	77.8	77.8	84.8	87.2	87.2	92.8	93.0	93.0	93.8	93.8	94.6	95.2
GE 300	41.9	49.3	61.3	67.7	77.8	77.8	84.8	87.2	87.2	93.0	93.2	93.2	94.0	94.0	94.8	95.4
GE 200	41.9	49.3	61.3	67.7	77.8	77.8	85.0	87.4	87.4	93.6	93.8	93.8	96.0	96.0	97.0	98.0
GE 100	41.9	49.3	61.3	67.7	77.8	77.8	85.0	87.4	87.4	93.6	93.8	93.8	96.0	96.0	97.4	99.0
GE 000	41.9	49.3	61.3	67.7	77.8	77.8	85.0	87.4	87.4	93.6	93.8	93.8	96.0	96.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 501

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 20000	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 18000	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 16000	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 14000	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 12000	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.5
GE 10000	12.7	12.7	12.7	12.7	12.7	12.7	12.9	12.9	12.9	12.9	13.1	13.1	13.1	13.1	13.1	13.3
GE 9000	12.7	12.7	12.7	12.7	12.7	12.7	12.9	12.9	12.9	12.9	13.1	13.1	13.1	13.1	13.1	13.3
GE 8000	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.3
GE 7000	14.3	14.3	14.3	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.8
GE 6000	15.7	15.7	15.7	15.7	15.7	15.7	15.9	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.3
GE 5000	18.9	18.9	18.9	18.9	18.9	18.9	19.1	19.1	19.1	19.1	19.3	19.3	19.3	19.3	19.3	19.4
GE 4500	19.3	19.3	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.6	19.6	19.6	19.6	19.6	19.8
GE 4000	20.7	20.7	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.2
GE 3500	22.3	22.3	22.4	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.8	22.8	22.8	22.8	22.8	23.0
GE 3000	31.1	31.3	31.8	32.0	32.3	32.3	32.7	32.7	32.7	32.7	32.9	32.9	32.9	32.9	32.9	33.0
GE 2500	36.0	36.9	38.7	38.9	39.9	39.9	40.5	40.5	40.5	40.8	41.0	41.0	41.0	41.0	41.0	41.2
GE 2000	42.4	45.9	50.0	52.1	54.8	54.8	55.7	55.7	55.7	56.0	56.2	56.2	56.4	56.4	56.4	56.5
GE 1800	44.7	48.9	54.2	58.1	62.7	63.1	64.5	64.7	64.7	65.0	65.2	65.2	65.5	65.5	65.5	65.7
GE 1500	47.3	51.8	58.8	64.1	71.7	72.3	76.9	77.4	77.4	78.3	78.6	78.6	79.2	79.2	79.2	79.3
GE 1200	47.9	52.7	60.8	66.6	74.9	75.4	81.1	81.8	81.8	82.9	83.4	83.4	83.9	83.9	83.9	84.1
GE 1000	48.1	52.8	61.1	67.3	76.0	76.5	82.2	83.6	83.6	86.0	86.7	86.7	87.3	87.3	87.3	87.5
GE 900	48.1	53.0	61.3	67.5	76.3	76.9	82.5	83.9	83.9	86.6	87.3	87.3	87.8	87.8	87.8	88.0
GE 800	48.1	53.0	61.3	67.7	76.5	77.0	83.9	85.5	85.5	89.0	89.8	89.8	91.5	91.5	92.0	92.2
GE 700	48.1	53.0	61.3	67.7	76.5	77.0	84.1	85.7	85.7	89.6	90.3	90.3	92.0	92.0	92.6	92.8
GE 600	48.1	53.0	61.5	67.8	76.9	77.4	84.5	86.0	86.0	90.1	91.2	91.2	93.3	93.3	94.0	94.2
GE 500	48.1	53.0	61.5	67.8	76.9	77.4	84.6	86.2	86.2	90.6	91.7	91.7	94.0	94.0	94.7	94.9
GE 400	48.1	53.0	61.5	67.8	76.9	77.4	84.8	86.4	86.6	91.0	92.2	92.2	95.1	95.1	95.8	95.9
GE 300	48.1	53.0	61.5	68.0	77.0	77.6	85.2	86.7	86.9	91.3	92.8	92.8	95.9	95.9	97.0	97.2
GE 200	48.1	53.0	61.5	68.0	77.0	77.6	85.2	86.7	86.9	91.5	92.9	93.1	96.5	96.5	97.7	98.1
GE 100	48.1	53.0	61.5	68.0	77.0	77.6	85.2	86.7	86.9	91.5	92.9	93.1	96.5	96.5	98.4	98.8
GE 000	48.1	53.0	61.5	68.0	77.0	77.6	85.2	86.7	86.9	91.5	92.9	93.1	96.5	96.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 566

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.6	12.6	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 20000	12.6	12.6	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 18000	12.6	12.6	12.6	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 16000	12.6	12.6	12.6	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 14000	12.8	12.8	12.8	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 12000	12.8	12.8	12.8	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 10000	14.0	14.0	14.0	14.2	14.4	14.4	14.4	14.4	14.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6
GE 9000	14.4	14.4	14.4	14.6	14.7	14.7	14.7	14.7	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 8000	16.5	16.5	16.5	16.7	16.9	16.9	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 7000	17.2	17.2	17.2	17.4	17.6	17.6	17.6	17.6	17.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 6000	18.7	18.7	18.7	18.8	19.0	19.0	19.0	19.0	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 5000	21.0	21.0	21.0	21.1	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 4500	21.0	21.0	21.0	21.1	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 4000	22.0	22.0	22.0	22.2	22.4	22.4	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 3500	23.3	23.3	23.3	23.4	23.6	23.6	23.6	23.6	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 3000	30.7	31.1	31.6	32.1	32.7	32.7	32.9	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 2500	35.3	36.9	39.1	40.3	40.9	40.9	41.6	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 2000	43.3	46.5	51.3	54.4	56.5	56.5	58.3	58.4	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 1800	45.3	49.0	54.7	59.0	61.5	61.5	63.6	64.5	64.5	65.2	65.2	65.2	65.4	65.4	65.4	65.4
GE 1500	47.4	53.1	61.3	68.9	73.7	73.9	78.2	80.8	80.8	82.6	82.6	82.6	83.1	83.1	83.1	83.1
GE 1200	47.8	54.0	62.5	70.9	76.2	76.4	81.7	84.5	84.5	86.7	86.7	86.7	87.2	87.2	87.2	87.2
GE 1000	48.0	54.5	63.6	72.3	78.2	78.3	84.2	87.4	87.7	90.9	91.7	91.7	92.2	92.2	92.4	92.4
GE 900	48.0	54.5	63.6	72.3	78.2	78.3	84.4	87.6	87.9	91.3	92.0	92.0	92.5	92.5	92.7	92.7
GE 800	48.0	54.5	63.6	72.3	78.3	78.5	84.7	87.9	88.3	92.2	92.9	92.9	94.1	94.1	94.3	94.3
GE 700	48.1	54.7	63.8	72.5	78.5	78.7	84.9	88.1	88.5	92.5	93.4	93.4	94.7	94.7	94.8	94.8
GE 600	48.1	54.7	63.8	72.6	78.7	78.9	85.1	88.3	88.6	92.7	93.6	93.6	94.8	94.8	95.4	95.4
GE 500	48.1	54.7	63.8	72.6	78.7	78.9	85.1	88.3	88.6	92.7	93.6	93.6	94.8	94.8	95.4	95.4
GE 400	48.1	54.7	63.8	72.6	78.7	78.9	85.1	88.3	88.6	92.7	93.6	93.6	95.2	95.2	95.7	95.7
GE 300	48.1	54.7	63.8	72.6	78.7	78.9	85.1	88.3	88.6	92.7	93.6	93.6	95.6	95.6	96.1	96.1
GE 200	48.1	54.7	63.8	72.6	78.9	79.0	85.3	88.5	88.8	93.3	94.1	94.1	96.3	96.3	97.2	97.2
GE 100	48.1	54.7	63.8	72.6	78.9	79.0	85.3	88.5	88.8	93.4	94.5	94.5	96.6	96.6	97.5	97.7
GE 000	48.1	54.7	63.8	72.6	78.9	79.0	85.3	88.5	88.8	93.4	94.5	94.5	97.0	97.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 563

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.3	12.3	12.5	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	12.8
GE 20000	12.5	12.5	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.0	13.0
GE 18000	12.5	12.5	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.0	13.0
GE 16000	12.5	12.5	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.0	13.0
GE 14000	12.8	12.8	13.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.4	13.4
GE 12000	13.0	13.0	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.6	13.6
GE 10000	14.5	14.5	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0
GE 9000	14.7	14.7	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.2	15.2
GE 8000	15.2	15.2	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.8	15.8
GE 7000	15.4	15.4	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	16.0	16.0
GE 6000	16.7	16.7	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.2
GE 5000	19.4	19.4	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.0	20.0
GE 4500	19.6	19.6	19.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.2	20.2
GE 4000	21.7	21.7	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.4	22.4
GE 3500	24.0	24.0	24.6	24.8	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.3	25.3
GE 3000	30.8	31.4	34.1	34.5	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.4	35.4
GE 2500	39.8	40.7	44.4	45.5	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.2
GE 2000	45.9	47.5	52.7	54.7	57.1	57.1	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	58.0	58.0
GE 1800	48.4	50.8	56.5	59.8	64.0	64.0	65.1	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.7	65.7
GE 1500	52.8	57.2	65.0	70.5	76.9	77.2	79.8	80.9	81.3	82.0	82.0	82.0	82.8	82.8	82.9	82.9
GE 1200	53.4	57.8	65.5	71.4	78.9	79.4	82.9	84.2	84.6	85.9	85.9	85.9	86.6	86.6	86.8	86.8
GE 1000	53.6	58.2	66.1	72.1	80.2	80.7	84.2	85.5	85.9	87.7	88.6	88.6	90.1	90.1	90.3	90.3
GE 900	53.6	58.2	66.4	72.7	81.1	81.7	85.1	86.4	86.8	88.6	89.5	89.5	91.0	91.0	91.2	91.2
GE 800	53.8	58.3	67.0	73.6	82.0	82.6	86.1	87.3	87.7	90.1	91.0	91.0	92.8	92.8	93.2	93.2
GE 700	53.8	58.3	67.0	73.6	82.0	82.6	86.1	87.3	87.7	90.3	91.2	91.2	93.2	93.2	93.6	93.6
GE 600	53.8	58.5	67.2	73.8	82.4	82.9	86.4	87.7	88.1	90.6	91.6	91.6	93.8	93.8	94.7	94.7
GE 500	53.8	58.5	67.2	73.8	82.4	82.9	86.4	87.7	88.1	90.8	91.9	91.9	94.3	94.3	95.4	95.6
GE 400	53.8	58.5	67.2	73.8	82.4	82.9	86.6	87.9	88.3	91.0	92.3	92.3	95.2	95.2	96.3	96.5
GE 300	53.8	58.5	67.2	73.8	82.4	82.9	86.6	87.9	88.3	91.0	92.3	92.3	95.4	95.4	96.5	96.7
GE 200	53.8	58.5	67.2	73.8	82.6	83.1	86.8	88.1	88.4	91.4	92.7	92.7	96.0	96.1	97.6	97.8
GE 100	53.8	58.5	67.2	73.8	82.6	83.1	86.8	88.1	88.4	91.4	92.7	92.7	96.0	96.3	98.0	98.2
GE 000	53.8	58.5	67.2	73.8	82.6	83.1	86.8	88.1	88.4	91.4	92.7	92.7	96.5	96.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 545



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	6.9	6.9	7.7	7.7	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
GE 20000	7.2	7.2	7.9	7.9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
GE 18000	7.2	7.2	7.9	7.9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
GE 16000	7.2	7.2	7.9	7.9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
GE 14000	7.4	7.4	8.2	8.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 12000	7.4	7.4	8.2	8.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 10000	7.7	7.7	8.4	8.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
GE 9000	7.7	7.7	8.4	8.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
GE 8000	9.2	9.2	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 7000	9.7	9.7	10.4	10.4	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 6000	11.4	11.4	12.1	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
GE 5000	12.9	12.9	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 4500	12.9	12.9	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 4000	14.1	14.1	14.9	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 3500	16.8	16.8	18.1	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 3000	25.2	26.0	27.7	28.2	28.7	28.7	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
GE 2500	33.4	35.1	37.9	38.9	39.4	39.4	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 2000	41.6	44.6	50.7	54.0	56.2	56.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 1800	44.8	49.0	55.4	61.1	64.9	64.9	66.8	66.8	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 1500	48.0	53.5	63.1	71.0	77.5	77.5	80.4	80.7	80.7	81.4	81.4	81.4	82.2	82.2	82.2	82.2
GE 1200	48.3	53.7	63.9	72.8	79.5	79.5	83.4	84.2	84.2	85.1	85.1	85.1	85.9	85.9	85.9	85.9
GE 1000	48.3	53.7	63.9	73.3	80.0	80.2	84.9	85.6	85.6	88.1	88.4	88.4	89.4	89.4	89.4	89.4
GE 900	48.3	53.7	63.9	73.3	80.0	80.2	85.1	85.9	85.9	88.4	88.6	88.6	89.6	89.6	89.6	89.6
GE 800	48.3	53.7	63.9	73.3	80.4	80.7	86.6	87.4	87.4	90.1	90.6	90.6	92.1	92.1	92.1	92.1
GE 700	48.3	53.7	63.9	73.3	80.4	80.7	87.1	87.9	87.9	90.6	91.1	91.1	93.3	93.3	93.3	93.3
GE 600	48.3	53.7	63.9	73.3	80.4	80.7	87.4	88.1	88.1	90.8	91.6	91.6	94.3	94.3	94.6	94.6
GE 500	48.5	54.0	64.1	73.5	80.9	81.2	87.9	88.6	88.6	91.6	92.3	92.3	95.1	95.5	95.8	96.0
GE 400	48.5	54.0	64.1	74.0	81.4	81.7	88.4	89.1	89.1	92.1	92.8	92.8	96.8	96.8	97.3	97.5
GE 300	48.5	54.0	64.1	74.0	81.4	81.7	88.4	89.1	89.1	92.1	92.8	92.8	96.8	96.8	97.5	97.8
GE 200	48.5	54.0	64.1	74.0	81.4	81.7	88.4	89.1	89.1	92.1	92.8	92.8	96.8	96.8	97.8	98.3
GE 100	48.5	54.0	64.1	74.0	81.4	81.7	88.4	89.1	89.1	92.1	92.8	92.8	96.8	96.8	97.8	98.8
GE 000	48.5	54.0	64.1	74.0	81.7	81.9	88.6	89.4	89.4	92.3	93.1	93.1	97.0	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 404

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	7.2	7.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
GE 20000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 18000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 16000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 14000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 12000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 10000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 9000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 8000	8.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
GE 7000	8.7	8.7	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
GE 6000	9.6	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 5000	9.6	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 4500	9.6	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 4000	10.2	10.2	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 3500	11.7	11.7	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
GE 3000	17.1	17.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 2500	27.3	29.4	31.5	33.3	33.3	33.3	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 2000	38.7	41.4	46.8	52.0	55.6	55.6	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 1800	40.8	44.4	50.5	57.4	63.7	63.7	65.5	65.5	65.5	66.4	66.4	66.4	66.7	66.7	66.7	66.7
GE 1500	42.9	46.8	55.6	64.9	73.9	73.9	76.6	76.9	76.9	78.4	78.7	78.7	79.6	79.6	79.6	79.6
GE 1200	42.9	46.8	55.6	65.2	75.4	75.4	79.0	79.3	79.3	81.7	82.0	82.0	82.9	82.9	82.9	82.9
GE 1000	42.9	46.8	55.6	65.2	75.7	75.7	79.9	80.2	80.2	84.7	85.6	85.6	86.8	86.8	86.8	86.8
GE 900	42.9	46.8	55.6	65.2	75.7	75.7	80.2	80.5	80.5	85.9	87.1	87.1	88.3	88.3	88.3	88.3
GE 800	42.9	46.8	55.6	65.2	75.7	75.7	80.8	81.1	81.1	87.1	88.6	88.6	91.6	91.6	91.6	91.6
GE 700	42.9	46.8	55.6	65.2	75.7	75.7	81.1	81.4	81.4	87.4	88.9	88.9	92.8	92.8	92.8	92.8
GE 600	42.9	46.8	55.6	65.2	75.7	75.7	81.1	81.4	81.4	87.7	89.2	89.2	93.7	93.7	93.7	93.7
GE 500	42.9	46.8	55.6	65.8	76.3	76.3	81.7	82.0	82.0	88.3	89.8	89.8	94.6	94.6	94.6	94.6
GE 400	42.9	46.8	55.6	65.8	76.3	76.3	81.7	82.0	82.0	88.3	90.1	90.1	95.2	95.2	95.2	95.2
GE 300	42.9	46.8	55.6	65.8	76.3	76.3	81.7	82.0	82.0	88.3	90.4	90.4	95.5	95.5	95.5	95.5
GE 200	42.9	46.8	55.6	65.8	76.3	76.3	82.0	82.3	82.3	88.6	91.0	91.0	96.7	96.7	97.0	97.3
GE 100	42.9	46.8	55.6	65.8	76.3	76.3	82.0	82.3	82.3	88.6	91.3	91.3	97.0	97.0	97.3	98.8
GE 000	42.9	46.8	55.6	65.8	76.3	76.3	82.0	82.3	82.3	88.9	91.6	91.6	97.3	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.0	11.0	11.2	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5
GE 20000	11.2	11.2	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.7
GE 18000	11.2	11.2	11.4	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.7
GE 16000	11.2	11.2	11.4	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.7
GE 14000	11.3	11.4	11.5	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.8
GE 12000	11.3	11.4	11.5	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.8
GE 10000	12.0	12.1	12.2	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.6
GE 9000	12.1	12.2	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6
GE 8000	12.9	12.9	13.1	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.4
GE 7000	13.2	13.3	13.4	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.7	13.7
GE 6000	14.3	14.4	14.5	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8
GE 5000	16.0	16.1	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.6
GE 4500	16.1	16.2	16.4	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.7
GE 4000	17.2	17.3	17.5	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	17.8
GE 3500	19.5	19.5	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.3
GE 3000	26.4	26.9	27.9	28.3	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.9
GE 2500	34.2	35.9	38.3	39.4	40.1	40.1	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.7
GE 2000	42.1	45.6	51.2	54.8	57.6	57.6	58.5	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.9
GE 1800	44.2	48.4	55.1	60.6	64.7	64.8	66.2	66.4	66.4	66.7	66.8	66.8	66.8	66.9	66.9	67.0
GE 1500	46.9	52.1	60.9	68.4	75.3	75.5	78.6	79.5	79.5	80.6	80.7	80.7	81.2	81.2	81.2	81.3
GE 1200	47.1	52.5	61.7	69.6	77.3	77.5	81.8	82.8	82.8	84.3	84.5	84.5	85.0	85.0	85.0	85.1
GE 1000	47.2	52.7	62.1	70.3	78.2	78.5	83.5	84.8	85.0	88.0	88.5	88.5	89.2	89.2	89.2	89.3
GE 900	47.2	52.7	62.2	70.4	78.5	78.7	83.9	85.3	85.4	88.6	89.2	89.2	89.9	89.9	89.9	90.0
GE 800	47.2	52.8	62.3	70.6	78.9	79.1	84.8	86.4	86.5	90.4	91.1	91.1	92.4	92.4	92.7	92.8
GE 700	47.3	52.8	62.3	70.6	78.9	79.2	85.2	86.7	86.8	90.9	91.7	91.7	93.2	93.2	93.5	93.6
GE 600	47.3	52.8	62.4	70.7	79.1	79.3	85.4	86.9	87.0	91.2	92.1	92.1	93.9	93.9	94.5	94.6
GE 500	47.3	52.8	62.4	70.8	79.2	79.5	85.6	87.1	87.2	91.6	92.5	92.5	94.6	94.6	95.3	95.4
GE 400	47.3	52.8	62.4	70.8	79.3	79.5	85.7	87.3	87.4	91.8	92.8	92.8	95.4	95.4	96.1	96.3
GE 300	47.3	52.8	62.4	70.8	79.3	79.5	85.8	87.3	87.4	91.9	93.0	93.0	95.7	95.7	96.5	96.7
GE 200	47.3	52.8	62.4	70.8	79.4	79.6	85.9	87.4	87.6	92.2	93.3	93.3	96.4	96.5	97.6	97.9
GE 100	47.3	52.8	62.4	70.8	79.4	79.6	85.9	87.4	87.6	92.2	93.4	93.4	96.5	96.6	97.9	98.7
GE 000	47.3	52.8	62.4	70.8	79.4	79.6	85.9	87.4	87.6	92.3	93.5	93.5	96.7	96.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3577

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 20000	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 18000	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 16000	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 14000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 12000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 10000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 9000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 8000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 7000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 6000	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 5000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 4500	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 4000	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 3500	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 3000	29.7	30.0	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 2500	36.3	38.4	42.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 2000	47.7	51.7	59.2	62.5	63.7	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 1800	50.5	55.6	64.3	68.2	70.3	70.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1500	52.3	58.0	68.2	74.5	79.3	79.6	83.5	83.5	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1200	52.9	58.6	69.1	76.6	82.0	82.3	88.0	88.0	88.0	89.8	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	53.5	59.2	69.7	77.5	83.5	83.8	90.4	90.7	90.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	53.5	59.2	69.7	77.5	83.5	83.8	90.4	90.7	90.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.0	91.0	94.3	95.2	95.2	95.5	95.5	95.5	95.5
GE 700	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.0	91.0	94.3	95.2	95.2	95.8	95.8	95.8	95.8
GE 600	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.0	91.0	94.3	95.2	95.2	96.1	96.1	96.1	96.1
GE 500	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.3	91.3	94.6	96.4	96.4	98.2	98.2	98.2	98.2
GE 400	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.3	91.3	94.6	96.7	96.7	98.5	98.5	98.5	98.5
GE 300	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.3	91.3	94.6	96.7	96.7	98.5	98.5	98.8	98.8
GE 000	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.3	91.3	94.6	96.7	96.7	98.5	98.5	99.1	99.1
GE 000	53.5	59.2	69.7	77.5	83.5	83.8	90.4	91.3	91.3	94.6	96.7	96.7	98.5	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 20000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 18000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 16000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 14000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 12000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 10000	16.8	17.1	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 9000	17.1	17.4	17.4	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 8000	17.4	17.7	17.7	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 7000	17.4	17.7	17.7	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 6000	17.4	17.7	17.7	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 5000	17.4	17.7	17.7	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 4500	18.0	18.3	18.3	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 4000	19.5	19.8	19.8	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 3500	22.8	23.1	23.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
GE 3000	33.3	34.2	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 2500	38.7	41.4	44.1	45.0	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 2000	47.1	50.5	57.1	61.9	63.4	63.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 1800	50.8	55.3	63.4	69.4	71.8	71.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 1500	53.2	58.9	68.2	75.7	79.9	79.9	84.1	84.4	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1200	53.8	60.1	70.0	78.7	83.2	83.2	88.0	88.6	88.6	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1000	53.8	60.1	70.0	78.7	83.2	83.2	89.2	90.1	90.1	92.2	92.8	92.8	93.7	93.7	93.7	93.7
GE 900	53.8	60.1	70.0	78.7	83.2	83.2	89.2	90.1	90.1	93.1	93.7	93.7	94.6	94.6	94.6	94.6
GE 800	53.8	60.1	70.0	78.7	83.5	83.5	89.5	90.7	90.7	93.7	94.3	94.3	95.5	95.5	95.5	95.5
GE 700	53.8	60.1	70.0	78.7	83.5	83.5	89.5	90.7	90.7	94.0	94.6	94.6	96.7	96.7	96.7	96.7
GE 600	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	94.3	94.9	94.9	97.0	97.0	97.0	97.0
GE 500	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	99.4
GE 400	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	99.4
GE 300	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	99.4
GE 200	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	99.4
GE 100	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	99.4
GE 000	53.8	60.1	70.0	78.7	83.8	83.8	89.8	91.0	91.0	95.2	96.4	96.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.0	18.0	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 20000	18.0	18.0	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 18000	18.0	18.0	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 16000	18.0	18.0	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 14000	18.0	18.0	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 12000	18.0	18.0	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 10000	18.0	18.0	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 9000	18.6	18.6	19.0	19.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 8000	19.4	19.4	19.7	19.9	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 7000	19.7	19.7	20.1	20.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 6000	19.7	19.7	20.1	20.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 5000	22.9	22.9	23.5	23.7	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 4500	22.9	22.9	23.5	23.7	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 4000	24.1	24.1	24.8	25.0	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 3500	26.1	26.1	27.1	27.3	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 3000	33.6	33.8	36.1	36.5	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 2500	41.4	43.6	47.6	48.3	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 2000	49.8	53.9	60.5	63.9	67.3	67.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6
GE 1800	53.2	58.1	66.5	71.1	74.8	74.8	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.7
GE 1500	54.1	60.0	69.9	75.9	81.2	81.2	83.6	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.2
GE 1200	54.1	60.2	70.3	77.1	82.3	82.3	84.8	85.0	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.7
GE 1000	54.3	60.5	70.9	78.0	83.8	83.8	87.0	88.2	88.2	90.0	90.6	90.6	90.6	90.6	90.6	90.8
GE 900	54.3	60.5	70.9	78.2	84.0	84.0	87.2	88.3	88.3	90.6	91.2	91.2	91.2	91.2	91.2	91.4
GE 800	54.3	60.5	70.9	78.2	84.8	85.2	88.3	89.5	89.7	91.9	92.7	92.7	92.7	92.7	92.7	92.9
GE 700	54.3	60.5	70.9	78.2	84.8	85.2	88.3	89.5	89.8	92.1	92.9	92.9	93.0	93.0	93.0	93.2
GE 600	54.3	60.7	71.1	78.4	85.0	85.3	88.9	90.0	90.4	92.9	93.6	93.6	93.8	93.8	94.0	94.2
GE 500	54.3	60.7	71.1	78.4	85.2	85.5	89.1	90.4	90.8	93.8	94.5	94.5	95.3	95.3	95.7	95.9
GE 400	54.3	60.7	71.1	78.4	85.2	85.5	89.5	91.2	91.5	94.7	95.5	95.5	96.8	96.8	97.7	97.9
GE 300	54.3	60.7	71.1	78.4	85.2	85.5	89.7	91.4	91.7	94.9	95.7	95.7	97.2	97.2	98.3	98.5
GE 200	54.3	60.7	71.1	78.4	85.2	85.5	89.8	91.5	91.9	95.1	96.1	96.1	97.7	97.7	99.2	99.4
GE 100	54.3	60.7	71.1	78.4	85.2	85.5	89.8	91.5	91.9	95.1	96.1	96.1	97.9	97.9	99.4	99.6
GE 000	54.3	60.7	71.1	78.4	85.2	85.5	89.8	91.5	91.9	95.1	96.1	96.1	97.9	97.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 532

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.6	19.6
GE 20000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8
GE 18000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8
GE 16000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8
GE 14000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8
GE 12000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8
GE 10000	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.8
GE 9000	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2
GE 8000	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.5	21.5	21.5
GE 7000	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5
GE 6000	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.4	23.5	23.5	23.5	23.5	23.5	23.5
GE 5000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.9	25.0	25.0	25.2	25.2	25.2	25.2
GE 4500	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.2	25.2	25.4	25.4	25.4	25.4
GE 4000	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.2	26.4	26.4	26.6	26.6	26.6	26.6
GE 3500	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.8	28.9	28.9	29.1	29.1	29.1	29.1
GE 3000	36.7	37.2	37.6	37.9	38.1	38.1	38.1	38.1	38.1	38.2	38.4	38.4	38.6	38.6	38.6	38.6
GE 2500	48.4	49.2	49.7	50.3	50.8	50.8	50.8	50.8	50.8	50.9	51.1	51.1	51.3	51.3	51.3	51.3
GE 2000	55.2	57.2	58.9	60.6	61.8	61.8	62.1	62.1	62.1	62.4	62.6	62.6	62.8	62.8	62.8	62.8
GE 1800	58.5	61.1	64.8	66.8	68.2	68.2	68.7	68.7	68.7	69.5	69.7	69.7	69.9	69.9	69.9	69.9
GE 1500	61.6	65.5	71.4	74.3	77.2	77.5	80.2	80.2	80.2	82.4	82.6	82.6	83.1	83.1	83.1	83.1
GE 1200	62.4	66.8	73.4	76.6	80.4	81.0	84.1	84.3	84.3	86.5	86.6	86.6	87.1	87.1	87.1	87.1
GE 1000	62.8	67.5	74.6	78.0	82.6	83.2	86.8	87.3	87.5	90.4	90.5	90.5	91.0	91.0	91.0	91.0
GE 900	62.8	67.5	74.6	78.2	82.7	83.4	87.0	87.5	87.6	90.7	90.9	90.9	91.4	91.4	91.4	91.4
GE 800	62.8	67.7	74.8	78.7	83.8	84.4	88.5	89.5	89.7	92.9	93.1	93.1	93.9	93.9	93.9	93.9
GE 700	62.8	67.7	74.8	78.7	83.8	84.4	88.5	89.5	89.7	92.9	93.1	93.1	93.9	93.9	93.9	93.9
GE 600	62.8	67.9	75.0	78.8	83.9	84.6	89.0	90.0	90.2	93.7	93.9	93.9	94.9	94.9	94.9	94.9
GE 500	62.8	67.9	75.0	79.0	84.3	84.9	89.3	90.5	90.7	95.1	95.3	95.3	97.5	97.5	97.5	97.5
GE 400	62.8	67.9	75.0	79.0	84.3	84.9	89.3	90.5	90.7	95.4	95.6	95.6	97.8	98.0	98.0	98.1
GE 300	62.8	67.9	75.0	79.0	84.3	84.9	89.3	90.5	90.7	95.6	95.9	95.9	98.3	98.5	98.5	98.6
GE 200	62.8	67.9	75.0	79.0	84.3	84.9	89.5	90.7	90.9	95.9	96.3	96.3	98.8	99.0	99.0	99.2
GE 100	62.8	67.9	75.0	79.0	84.3	84.9	89.5	90.7	90.9	95.9	96.4	96.4	99.0	99.3	99.5	99.8
GE 000	62.8	67.9	75.0	79.0	84.3	84.9	89.5	90.7	90.9	95.9	96.4	96.4	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 43 - MAR 90  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 20000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 18000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 16000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 14000	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 12000	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 10000	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 9000	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 8000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
GE 7000	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 6000	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
GE 5000	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 4500	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 4000	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 3500	28.9	29.3	29.3	29.3	29.3	29.3	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
GE 3000	38.8	39.5	40.0	40.2	40.4	40.4	40.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 2500	48.9	50.4	51.3	51.6	52.3	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 2000	57.2	59.6	61.9	63.6	65.7	65.9	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9
GE 1800	58.9	62.2	65.5	68.1	70.9	71.1	71.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
GE 1500	62.4	65.9	71.4	74.7	80.1	80.4	82.3	83.4	83.4	83.7	83.7	83.7	83.7	83.7	84.1	84.2
GE 1200	63.3	67.1	73.0	76.8	82.8	83.4	86.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.7	87.9
GE 1000	64.3	68.3	74.7	79.0	86.0	86.7	90.5	91.7	91.7	92.4	92.4	92.4	92.4	92.4	92.7	92.9
GE 900	64.3	68.5	74.9	79.2	86.3	87.0	90.8	92.0	92.0	92.7	92.7	92.7	92.7	92.9	93.2	93.4
GE 800	64.5	68.8	75.6	80.2	87.9	88.6	92.5	93.8	93.8	94.6	94.6	94.6	94.8	94.8	95.1	95.3
GE 700	64.5	68.8	75.6	80.2	87.9	88.6	92.5	94.3	94.3	95.1	95.1	95.1	95.3	95.3	95.7	95.8
GE 600	64.5	68.8	75.6	80.2	87.9	88.6	92.9	94.6	94.6	95.7	95.8	95.8	96.2	96.2	96.5	96.7
GE 500	64.5	68.8	75.6	80.2	87.9	88.6	92.9	94.8	94.8	96.0	96.4	96.4	97.2	97.4	97.7	97.9
GE 400	64.5	68.8	75.6	80.2	87.9	88.6	93.1	95.0	95.0	96.4	96.9	96.9	97.7	97.9	98.3	98.4
GE 300	64.5	68.8	75.6	80.2	87.9	88.6	93.1	95.0	95.0	96.4	96.9	96.9	97.9	98.1	98.6	98.8
GE 200	64.5	68.8	75.6	80.2	87.9	88.6	93.1	95.0	95.0	96.4	96.9	96.9	98.1	98.3	99.0	99.1
GE 100	64.5	68.8	75.6	80.2	87.9	88.6	93.1	95.0	95.0	96.4	96.9	96.9	98.3	99.0	99.7	99.8
GE 000	64.5	68.8	75.6	80.2	87.9	88.6	93.1	95.0	95.0	96.4	96.9	96.9	98.3	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 577



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 20000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 18000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 16000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 14000	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 12000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 10000	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 9000	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 8000	21.5	21.7	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 7000	23.1	23.3	23.5	23.5	23.5	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
GE 6000	24.0	24.2	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
GE 5000	25.8	26.0	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 4500	25.8	26.0	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 4000	27.6	27.8	27.9	27.9	27.9	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 3500	29.9	30.1	30.2	30.2	30.2	30.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 3000	40.0	40.2	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 2500	51.6	52.3	53.0	53.6	54.1	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 2000	60.3	61.7	63.0	65.5	66.9	66.9	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1800	62.6	64.8	67.3	70.5	72.4	72.4	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 1500	65.7	68.7	73.3	77.4	81.3	81.3	83.6	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1200	67.3	70.5	76.2	80.8	85.8	85.8	88.4	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1000	68.3	71.5	78.3	82.9	88.6	88.8	91.6	92.9	92.9	93.8	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	68.3	71.5	78.3	82.9	88.6	88.8	91.8	93.1	93.1	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	68.3	71.5	78.5	83.1	89.0	89.1	92.9	94.1	94.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6
GE 700	68.5	71.7	78.6	83.3	89.1	89.3	93.1	94.3	94.3	95.7	95.9	95.9	96.1	96.1	96.3	96.3
GE 600	68.7	71.9	78.8	83.6	89.5	89.7	93.4	94.7	94.7	96.3	97.2	97.2	97.7	97.7	97.9	97.9
GE 500	68.7	71.9	78.8	83.6	89.5	89.9	94.1	95.4	95.4	97.0	97.9	97.9	98.4	98.4	98.6	98.6
GE 400	68.9	72.1	79.0	83.8	89.7	90.0	94.3	95.6	95.6	97.2	98.0	98.0	98.9	98.9	99.1	99.1
GE 300	68.9	72.1	79.0	83.8	89.7	90.0	94.3	95.6	95.6	97.2	98.0	98.0	98.9	98.9	99.1	99.1
GE 200	68.9	72.1	79.0	83.8	89.7	90.0	94.3	95.6	95.6	97.2	98.0	98.0	98.9	98.9	99.1	99.5
GE 100	68.9	72.1	79.0	83.8	89.7	90.0	94.3	95.6	95.6	97.2	98.0	98.0	99.1	99.1	99.3	99.6
GE 000	68.9	72.1	79.0	83.8	89.7	90.0	94.3	95.6	95.6	97.2	98.0	98.0	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 562

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 20000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 18000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 16000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 14000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 12000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 10000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 9000	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 8000	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 7000	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 6000	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 5000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 4500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 4000	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 3500	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 3000	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 2500	50.9	52.1	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 2000	58.4	60.4	63.3	65.3	66.0	66.5	67.7	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 1800	60.6	63.1	67.5	70.4	72.4	72.9	74.8	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 1500	64.3	67.7	73.6	78.0	81.4	81.9	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	65.5	69.7	77.0	82.4	86.1	86.6	90.7	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1000	65.8	69.9	77.8	83.1	87.0	87.5	93.4	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	65.8	69.9	77.8	83.1	87.0	87.5	93.4	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	65.8	69.9	78.0	83.4	87.3	87.8	93.9	94.1	94.1	96.1	96.3	96.3	96.6	96.6	96.6	96.6
GE 700	65.8	69.9	78.0	83.4	87.3	87.8	93.9	94.1	94.1	96.1	96.3	96.3	96.6	96.6	96.6	96.6
GE 600	65.8	69.9	78.0	83.4	87.3	87.8	93.9	94.1	94.1	96.1	96.3	96.3	97.1	97.1	97.1	97.1
GE 500	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.6	97.6	98.5	98.5	98.8	98.8
GE 400	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.6	97.6	99.0	99.0	99.3	99.3
GE 300	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.6	97.6	99.0	99.0	99.3	99.3
GE 200	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.8	97.8	99.5	99.5	99.8	99.8
GE 100	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.8	97.8	99.5	99.5	99.8	99.8
GE 000	65.8	69.9	78.0	83.4	87.3	87.8	94.1	94.4	94.4	97.3	97.8	97.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 409

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.2	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 20000	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 18000	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 16000	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 14000	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 12000	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 10000	15.0	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 9000	15.0	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 8000	15.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 7000	17.1	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 6000	18.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 5000	18.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 4500	18.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 4000	18.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 3500	22.8	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 3000	33.0	34.2	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 2500	41.7	43.2	44.1	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 2000	51.4	54.1	58.3	60.7	62.8	62.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 1800	53.5	56.5	61.0	64.3	66.7	66.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 1500	56.8	59.8	66.7	72.7	78.7	78.7	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1200	57.1	61.0	68.5	74.8	82.0	82.0	86.2	86.2	86.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1000	58.0	61.9	70.0	76.3	83.8	83.8	90.7	90.7	90.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	58.0	61.9	70.3	76.6	84.1	84.1	91.0	91.0	91.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	58.0	61.9	70.3	76.6	84.1	84.1	91.3	91.3	91.3	93.7	94.9	94.9	94.9	94.9	94.9	94.9
GE 700	58.0	61.9	70.3	76.6	84.1	84.1	91.3	91.3	91.3	94.9	96.1	96.1	96.1	96.1	96.1	96.1
GE 600	58.0	61.9	70.3	76.6	84.4	84.4	91.6	91.6	91.6	95.2	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	58.0	61.9	70.3	76.6	84.4	84.4	91.6	91.6	91.6	96.1	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	58.0	61.9	70.3	76.6	84.4	84.4	91.6	91.6	91.6	96.1	97.6	97.6	97.9	97.9	97.9	97.9
GE 300	58.0	61.9	70.3	76.6	84.4	84.4	91.6	91.9	91.9	96.4	97.9	97.9	98.5	98.5	98.5	98.5
GE 200	58.0	61.9	70.3	76.6	84.4	84.4	91.6	92.2	92.2	96.7	98.2	98.2	99.4	99.4	99.7	99.7
GE 100	58.0	61.9	70.3	76.6	84.4	84.4	91.6	92.2	92.2	96.7	98.2	98.2	99.4	99.4	100.0	100.0
GE 000	58.0	61.9	70.3	76.6	84.4	84.4	91.6	92.2	92.2	96.7	98.2	98.2	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.8	17.8	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 20000	18.1	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 18000	18.1	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4
GE 16000	18.1	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4
GE 14000	18.3	18.4	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 12000	18.4	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 10000	18.7	18.8	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 9000	19.1	19.2	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 8000	19.8	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2
GE 7000	20.8	20.9	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 6000	21.5	21.6	21.7	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 5000	22.7	22.8	22.9	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2
GE 4500	22.8	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4
GE 4000	23.9	24.0	24.2	24.2	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5
GE 3500	26.7	26.9	27.1	27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4
GE 3000	36.1	36.6	37.2	37.4	37.8	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 2500	45.6	47.2	48.9	49.5	50.1	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5
GE 2000	54.1	56.8	60.5	63.1	64.9	64.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2
GE 1800	56.8	60.2	65.3	68.7	71.1	71.1	72.6	72.8	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 1500	59.5	63.7	70.7	75.5	79.9	80.1	83.1	83.4	83.4	84.1	84.2	84.2	84.3	84.3	84.3	84.4
GE 1200	60.3	64.9	72.6	78.0	83.1	83.3	86.8	87.2	87.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4
GE 1000	60.9	65.6	73.7	79.3	85.0	85.3	89.8	90.5	90.6	92.3	92.6	92.6	92.8	92.8	92.8	92.9
GE 900	60.9	65.6	73.8	79.5	85.1	85.4	89.9	90.7	90.7	92.7	92.9	92.9	93.1	93.1	93.2	93.2
GE 800	60.9	65.7	74.0	79.8	85.7	86.1	90.9	91.8	91.9	94.0	94.4	94.4	94.8	94.8	94.9	94.9
GE 700	60.9	65.7	74.0	79.8	85.7	86.1	90.9	91.9	92.0	94.3	94.8	94.8	95.3	95.3	95.3	95.4
GE 600	61.0	65.8	74.1	79.9	85.9	86.3	91.3	92.2	92.3	94.8	95.4	95.4	96.0	96.0	96.2	96.2
GE 500	61.0	65.8	74.1	79.9	86.0	86.4	91.5	92.6	92.6	95.6	96.4	96.4	97.6	97.6	97.8	97.8
GE 400	61.0	65.8	74.1	79.9	86.0	86.4	91.6	92.7	92.8	95.9	96.7	96.7	98.2	98.2	98.5	98.6
GE 300	61.0	65.8	74.1	79.9	86.0	86.4	91.6	92.8	92.9	96.0	96.8	96.8	98.4	98.4	98.8	98.9
GE 200	61.0	65.8	74.1	79.9	86.0	86.4	91.7	92.9	92.9	96.1	97.0	97.0	98.7	98.8	99.2	99.4
GE 100	61.0	65.8	74.1	79.9	86.0	86.4	91.7	92.9	92.9	96.1	97.0	97.0	8.8	99.0	99.5	99.7
GE 000	61.0	65.8	74.1	79.9	86.0	86.4	91.7	92.9	92.9	96.1	97.0	97.0	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3670

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 20000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 18000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 16000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 14000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 12000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 10000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 9000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 8000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 7000	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 6000	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 5000	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 4500	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 4000	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 3500	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 3000	25.0	25.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
GE 2500	32.5	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 2000	46.9	48.6	49.2	49.4	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 1800	49.7	53.6	57.2	58.9	59.2	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 1500	59.4	67.5	73.6	77.8	81.1	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1200	61.4	70.8	79.4	85.6	89.4	89.7	90.0	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	62.2	71.7	80.6	87.2	91.1	91.4	91.7	92.5	92.5	93.1	93.1	93.1	93.3	93.3	93.3	93.3
GE 900	62.2	71.7	80.6	87.2	91.1	91.4	91.9	92.8	92.8	93.3	93.9	93.9	94.4	94.4	94.4	94.4
GE 800	62.2	71.7	80.8	87.8	93.1	93.3	94.4	95.3	95.3	95.8	96.4	96.4	96.9	96.9	96.9	96.9
GE 700	62.2	71.7	81.1	88.1	93.3	93.6	94.7	95.6	95.6	96.1	96.7	96.7	97.2	97.2	97.2	97.2
GE 600	62.2	71.7	81.1	88.3	93.6	93.9	95.0	95.8	95.8	96.9	97.5	97.5	98.1	98.1	98.1	98.1
GE 500	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.3	98.9	98.9	99.4	99.4	99.4	99.4
GE 400	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.3	98.9	98.9	99.4	99.4	99.4	99.4
GE 300	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.6	99.2	99.2	99.7	99.7	99.7	99.7
GE 200	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.9	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.9	99.4	99.4	100.0	100.0	100.0	100.0
GE 000	62.2	71.7	81.1	88.3	93.6	93.9	95.8	96.9	96.9	98.9	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 360

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 20000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 18000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 16000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 14000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 12000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 10000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 9000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 8000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 7000	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 6000	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 5000	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 4500	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 4000	17.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 3500	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 3000	29.4	29.4	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 2500	39.3	39.3	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 2000	52.1	55.3	56.5	56.8	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 1800	55.6	60.5	63.0	64.2	64.4	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 1500	61.7	69.1	74.3	79.0	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1200	63.5	72.3	79.0	85.2	89.4	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	63.5	73.1	79.8	86.2	91.6	91.9	93.1	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	63.5	73.1	80.0	86.4	92.1	92.3	93.6	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	63.5	73.1	80.5	87.2	93.3	93.6	95.6	96.0	96.0	96.8	96.8	96.8	97.0	97.0	97.0	97.0
GE 700	63.5	73.1	80.7	87.7	93.8	94.1	96.3	96.8	96.8	97.5	97.5	97.5	97.8	97.8	97.8	97.8
GE 600	63.5	73.1	80.7	87.7	93.8	94.1	96.3	96.8	96.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0
GE 500	63.5	73.1	80.7	87.7	93.8	94.1	96.3	96.8	96.8	98.5	98.5	98.5	99.0	99.0	99.0	99.0
GE 400	63.5	73.1	80.7	87.7	93.8	94.1	96.3	96.8	96.8	98.8	98.8	98.8	99.3	99.3	99.3	99.3
GE 300	63.5	73.1	80.7	87.7	93.8	94.1	96.3	97.0	97.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0
GE 200	63.5	73.1	80.7	87.7	93.8	94.1	96.3	97.0	97.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0
GE 100	63.5	73.1	80.7	87.7	93.8	94.1	96.3	97.0	97.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0
GE 000	63.5	73.1	80.7	87.7	93.8	94.1	96.3	97.0	97.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 405

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 20000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 18000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 16000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 14000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 12000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 10000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 9000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 8000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 7000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 6000	13.6	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 5000	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 4500	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 4000	18.2	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 3500	22.6	22.8	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 3000	29.9	30.1	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 2500	42.1	43.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 2000	54.0	57.3	60.2	61.1	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 1800	57.7	62.5	66.5	68.6	70.1	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 1500	62.5	69.7	78.9	82.2	84.9	84.9	86.2	86.4	86.4	86.6	86.6	86.6	86.8	86.8	86.8	86.8
GE 1200	63.6	71.6	82.4	86.6	90.4	90.6	92.9	93.1	93.1	93.3	93.3	93.3	93.5	93.5	93.5	93.5
GE 1000	64.0	72.0	83.0	87.4	91.8	92.1	94.6	95.0	95.0	95.4	95.4	95.4	95.8	95.8	95.8	95.8
GE 900	64.0	72.0	83.0	87.4	91.8	92.1	94.8	95.2	95.2	95.6	95.6	95.6	96.0	96.0	96.0	96.0
GE 800	64.0	72.0	83.0	87.4	91.8	92.1	94.8	95.6	95.6	96.2	96.2	96.2	96.6	96.6	96.6	96.6
GE 700	64.0	72.2	83.1	87.5	92.0	92.3	95.0	95.8	95.8	96.4	96.4	96.4	96.7	96.7	96.7	96.7
GE 600	64.0	72.2	83.3	87.9	92.5	92.9	95.6	96.6	96.6	97.5	97.7	97.7	98.1	98.1	98.1	98.1
GE 500	64.0	72.2	83.3	87.9	92.5	92.9	95.8	96.9	96.9	97.9	98.1	98.1	98.5	98.5	98.5	98.5
GE 400	64.0	72.2	83.3	87.9	92.5	92.9	96.0	97.3	97.3	98.3	98.5	98.5	98.9	98.9	98.9	98.9
GE 300	64.0	72.2	83.3	87.9	92.5	92.9	96.0	97.3	97.3	98.3	98.5	98.5	99.4	99.4	99.4	99.6
GE 200	64.0	72.2	83.3	87.9	92.5	92.9	96.0	97.3	97.3	98.3	98.5	98.5	99.8	99.8	99.8	100.0
GE 100	64.0	72.2	83.3	87.9	92.5	92.9	96.0	97.3	97.3	98.3	98.5	98.5	99.8	99.8	99.8	100.0
GE 000	64.0	72.2	83.3	87.9	92.5	92.9	96.0	97.3	97.3	98.3	98.5	98.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 522

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 20000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 18000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 16000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 14000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 12000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 10000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 9000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 8000	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
GE 7000	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
GE 6000	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 5000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 4500	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 4000	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 3500	24.5	24.7	24.7	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 3000	32.4	33.0	33.5	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 2500	45.8	46.7	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 2000	57.5	60.0	62.8	64.0	65.1	65.1	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 1800	60.5	64.4	67.8	69.5	71.3	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 1500	66.5	72.8	78.5	81.8	84.7	84.7	85.2	85.6	85.6	86.0	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	68.8	76.8	84.1	87.9	91.2	91.2	92.0	92.5	92.5	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	69.0	77.0	84.5	88.5	92.0	92.0	93.3	93.9	93.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	69.2	77.2	84.9	88.9	92.3	92.3	93.7	94.3	94.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	69.3	77.4	85.4	89.5	93.3	93.3	95.2	96.0	96.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	69.3	77.4	85.4	89.5	93.3	93.3	95.2	96.0	96.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	69.3	77.4	85.4	89.5	93.9	94.1	96.0	96.9	96.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	69.3	77.4	85.6	89.8	94.4	94.8	96.7	97.7	97.7	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 522



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
GE 20000	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 18000	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 16000	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 14000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 12000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 10000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 9000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 8000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
GE 7000	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 6000	12.8	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 5000	14.8	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 4500	15.0	15.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4000	18.5	18.5	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.3	19.3	19.3	19.3
GE 3500	21.1	21.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9
GE 3000	33.5	33.7	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.5	34.5	34.5	34.5
GE 2500	46.9	47.0	49.1	49.3	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.9	49.9	49.9	49.9
GE 2000	57.6	60.2	62.7	64.3	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.5
GE 1800	59.4	62.7	66.9	69.0	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2
GE 1500	68.2	73.4	80.7	83.8	86.2	86.2	86.4	86.4	86.4	86.6	86.6	86.6	86.8	86.8	86.8	86.8
GE 1200	69.8	76.1	85.8	89.9	93.3	93.3	93.7	93.7	93.7	94.1	94.1	94.1	94.3	94.3	94.3	94.3
GE 1000	70.0	76.3	86.2	90.5	94.9	94.9	95.5	95.5	95.5	96.8	97.0	97.0	97.2	97.2	97.2	97.2
GE 900	70.0	76.3	86.2	90.5	94.9	94.9	95.5	95.5	95.5	96.8	97.0	97.0	97.2	97.2	97.2	97.2
GE 800	70.2	76.5	86.4	90.9	95.5	95.7	96.4	96.4	96.4	97.8	98.0	98.0	98.4	98.4	98.4	98.4
GE 700	70.2	76.5	86.4	90.9	95.5	95.7	96.6	96.6	96.6	98.0	98.2	98.2	98.6	98.6	98.6	98.6
GE 600	70.2	76.5	86.4	90.9	95.9	96.1	97.0	97.0	97.0	98.4	98.6	98.6	99.0	99.0	99.0	99.0
GE 500	70.2	76.5	86.4	91.3	96.3	96.4	97.4	97.4	97.4	98.8	99.0	99.0	99.4	99.4	99.4	99.4
GE 400	70.2	76.5	86.4	91.3	96.3	96.4	97.4	97.4	97.4	99.0	99.2	99.2	99.6	99.6	99.6	99.6
GE 300	70.2	76.5	86.4	91.3	96.3	96.4	97.4	97.4	97.4	99.0	99.2	99.2	99.6	99.6	99.6	99.6
GE 200	70.2	76.5	86.4	91.3	96.3	96.4	97.6	97.6	97.6	99.2	99.4	99.4	99.8	99.8	99.8	100.0
GE 100	70.2	76.5	86.4	91.3	96.3	96.4	97.6	97.6	97.6	99.2	99.4	99.4	99.8	99.8	99.8	100.0
GE 000	70.2	76.5	86.4	91.3	96.3	96.4	97.6	97.6	97.6	99.2	99.4	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 507

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
GE 20000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 18000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 16000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 14000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 12000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 10000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 9000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 8000	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
GE 7000	12.9	12.9	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 6000	14.9	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 5000	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 4500	15.9	15.9	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 4000	19.4	19.6	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 3500	21.4	21.6	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 3000	31.6	32.0	32.7	32.7	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 2500	43.1	44.3	45.1	45.1	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 2000	54.9	56.9	59.2	59.2	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 1800	59.4	63.1	65.7	66.3	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 1500	66.9	73.9	80.8	82.2	85.9	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	69.4	77.6	86.1	88.0	91.6	91.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000	69.4	77.6	86.9	88.8	93.7	93.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	69.6	77.8	87.1	89.0	94.1	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	69.6	77.8	87.3	89.4	95.1	95.3	97.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	69.6	77.8	87.6	89.6	95.3	95.5	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	69.8	78.0	87.8	89.8	95.5	95.7	97.8	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	69.8	78.0	87.8	89.8	95.7	95.9	98.0	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 490

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 20000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 18000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 16000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 14000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 12000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 10000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 9000	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 8000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 7000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 6000	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
GE 5000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
GE 4500	11.7	11.7	12.2	12.2	12.2	12.2	12.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 4000	14.0	14.0	14.5	14.5	14.5	14.5	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 3500	16.8	16.8	17.3	17.3	17.3	17.3	17.3	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 3000	26.5	26.5	27.2	27.2	27.2	27.2	27.2	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 2500	35.9	36.1	36.9	36.9	37.2	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 2000	46.6	48.6	49.6	50.1	50.6	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 1800	50.6	55.5	58.8	59.8	60.3	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 1500	60.6	68.7	75.3	77.4	79.4	79.4	80.4	80.7	80.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1200	63.9	73.3	82.4	87.0	90.3	90.3	91.6	91.9	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1000	63.9	73.5	83.5	89.1	92.6	92.6	94.9	95.2	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	63.9	73.5	83.5	89.1	92.6	92.6	94.9	95.2	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	63.9	73.5	83.5	89.3	93.1	93.1	96.7	96.9	97.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	64.1	73.8	83.7	89.6	93.4	93.4	96.9	97.2	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	64.4	74.0	84.0	89.8	93.6	93.6	97.2	97.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5
GE 400	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0
GE 300	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0
GE 200	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0
GE 100	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0
GE 000	64.4	74.0	84.0	89.8	93.6	93.6	97.7	98.0	98.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 393

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 20000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 18000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 16000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 14000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 12000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 10000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 9000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 8000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 7000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 6000	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
GE 5000	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 4500	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 4000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 3500	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
GE 3000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 2500	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 2000	42.7	44.3	45.2	45.4	45.4	45.4	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 1800	46.5	49.6	52.4	52.9	52.9	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 1500	57.9	65.7	72.3	74.0	75.3	75.3	76.5	76.5	76.5	77.6	77.6	77.6	77.6	77.6	77.8	77.8
GE 1200	61.5	70.6	78.9	84.2	86.4	86.4	87.5	87.5	87.5	88.9	89.2	89.2	89.2	89.2	89.5	89.5
GE 1000	62.3	71.7	81.2	87.0	89.2	89.2	90.3	90.6	90.6	92.0	92.2	92.2	92.8	92.8	93.1	93.1
GE 900	62.3	71.7	81.4	87.3	89.5	89.5	90.6	90.9	90.9	92.2	92.5	92.5	93.1	93.1	93.4	93.4
GE 800	62.3	71.7	81.4	87.8	90.0	90.0	92.2	92.5	92.5	95.3	95.6	95.6	96.1	96.1	96.4	96.7
GE 700	62.3	71.7	81.4	87.8	90.0	90.0	92.2	92.5	92.5	95.3	95.6	95.6	96.1	96.1	96.4	96.7
GE 600	62.3	71.7	82.0	88.4	90.6	90.6	92.8	93.4	93.4	96.1	96.4	96.4	97.0	97.0	97.2	97.5
GE 500	62.3	71.7	82.0	88.4	90.6	90.6	94.5	95.0	95.0	97.8	98.1	98.1	98.6	98.6	98.9	99.2
GE 400	62.3	71.7	82.3	89.2	91.4	91.4	95.3	95.8	95.8	98.6	98.9	98.9	99.4	99.4	99.7	100.0
GE 300	62.3	71.7	82.3	89.2	91.4	91.4	95.3	95.8	95.8	98.6	98.9	98.9	99.4	99.4	99.7	100.0
GE 200	62.3	71.7	82.3	89.2	91.4	91.4	95.3	95.8	95.8	98.6	98.9	98.9	99.4	99.4	99.7	100.0
GE 100	62.3	71.7	82.3	89.2	91.4	91.4	95.3	95.8	95.8	98.6	98.9	98.9	99.4	99.4	99.7	100.0
GE 000	62.3	71.7	82.3	89.2	91.4	91.4	95.3	95.8	95.8	98.6	98.9	98.9	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 361

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 20000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 18000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 16000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 14000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 12000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
GE 10000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 9000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 8000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 7000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 6000	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 5000	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4500	15.1	15.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 4000	17.7	17.8	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 3500	20.8	20.9	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 3000	29.5	29.7	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 2500	40.3	40.9	41.7	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2
GE 2000	52.2	54.7	56.6	57.2	58.0	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 1800	55.6	59.7	63.0	64.4	65.3	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1500	63.4	70.4	77.2	80.2	82.9	82.9	83.6	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.2	84.2
GE 1200	65.6	73.9	82.6	87.0	90.5	90.6	91.7	91.8	91.8	92.2	92.3	92.3	92.4	92.4	92.4	92.4
GE 1000	65.9	74.4	83.5	88.2	92.2	92.4	93.8	94.1	94.1	94.9	95.0	95.0	95.1	95.1	95.2	95.2
GE 900	66.0	74.4	83.6	88.3	92.4	92.6	94.0	94.4	94.4	95.1	95.3	95.3	95.5	95.5	95.5	95.5
GE 800	66.0	74.5	83.8	88.7	93.3	93.4	95.4	95.9	96.0	97.0	97.2	97.2	97.4	97.4	97.4	97.5
GE 700	66.0	74.5	84.0	88.9	93.4	93.6	95.7	96.2	96.2	97.2	97.4	97.4	97.6	97.6	97.7	97.7
GE 600	66.1	74.6	84.1	89.1	93.8	94.0	96.1	96.7	96.8	98.0	98.2	98.2	98.5	98.5	98.5	98.5
GE 500	66.1	74.6	84.1	89.2	94.0	94.2	96.6	97.3	97.4	98.7	98.9	98.9	99.2	99.2	99.2	99.3
GE 400	66.1	74.6	84.2	89.3	94.0	94.3	96.7	97.5	97.5	99.0	99.1	99.1	99.5	99.5	99.5	99.6
GE 300	66.1	74.6	84.2	89.3	94.0	94.3	96.7	97.5	97.6	99.0	99.2	99.2	99.7	99.7	99.7	99.8
GE 200	66.1	74.6	84.2	89.3	94.0	94.3	96.7	97.5	97.6	99.1	99.3	99.3	99.9	99.9	99.9	100.0
GE 100	66.1	74.6	84.2	89.3	94.0	94.3	96.7	97.5	97.6	99.1	99.3	99.3	99.9	99.9	99.9	100.0
GE 000	66.1	74.6	84.2	89.3	94.0	94.3	96.7	97.5	97.6	99.1	99.3	99.3	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3560

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 20000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 18000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 16000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 14000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 12000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 10000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 9000	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
GE 8000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 7000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 6000	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 5000	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 4500	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 4000	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 3500	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 3000	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 2500	38.5	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 2000	54.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 1800	60.2	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 1500	67.8	76.4	79.7	81.0	81.6	81.6	81.6	81.6	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1200	72.4	84.6	89.7	91.9	93.0	93.0	93.0	93.0	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	73.7	86.2	91.6	94.0	95.1	95.1	95.4	95.4	95.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	73.7	86.2	91.6	94.0	95.1	95.1	95.4	95.4	95.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	73.7	86.2	91.9	94.3	95.9	95.9	96.5	96.5	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	73.7	86.2	91.9	95.1	96.7	96.7	97.3	97.3	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	73.7	86.2	91.9	95.1	96.7	96.7	97.3	97.3	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 400	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0
GE 200	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0
GE 100	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0
GE 000	73.7	86.2	91.9	95.9	97.6	97.6	98.1	98.1	98.1	99.5	99.5	99.5	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 20000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 18000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 16000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 14000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 12000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 10000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 9000	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 8000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 7000	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 6000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 5000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4500	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4000	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 3500	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 3000	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 2500	44.9	45.2	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 2000	60.4	62.8	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 1800	67.1	70.5	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 1500	73.2	79.5	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1200	75.6	83.3	90.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1000	76.6	84.8	93.2	94.9	95.2	95.2	95.4	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	76.6	84.8	93.5	95.2	95.4	95.4	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	76.6	85.5	94.2	96.1	97.8	97.8	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	76.8	85.7	94.4	96.4	98.1	98.1	98.8	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	76.8	85.7	94.4	96.6	98.6	98.6	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	76.8	85.7	94.4	96.6	98.6	98.6	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	76.8	85.7	94.4	96.6	98.6	98.6	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	76.8	85.7	94.4	96.6	98.6	98.6	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	76.8	85.7	94.4	96.6	98.8	98.8	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	76.8	85.7	94.4	96.6	98.8	98.8	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	76.8	85.7	94.4	96.6	98.8	98.8	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 414

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.4	9.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
GE 20000	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 18000	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 16000	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 14000	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 12000	9.9	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 10000	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 9000	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
GE 8000	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 7000	17.1	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
GE 6000	18.4	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 5000	20.3	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 4500	20.3	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 4000	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 3500	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
GE 3000	35.1	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 2500	52.9	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 2000	64.9	65.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 1800	68.5	69.6	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1500	75.8	79.0	81.8	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1200	81.1	86.1	90.8	91.7	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	82.2	88.0	93.1	94.6	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	82.2	88.0	93.1	94.6	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	82.7	89.3	94.6	96.4	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	82.7	89.3	94.6	96.4	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	82.7	89.3	94.6	96.8	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	82.7	89.3	94.6	97.0	98.5	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	82.7	89.3	94.6	97.0	98.5	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	82.7	89.3	94.7	97.2	98.7	98.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.7	89.3	94.7	97.2	98.7	98.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.7	89.3	94.7	97.2	98.7	98.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.7	89.3	94.7	97.2	98.7	98.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 533



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
GE 20000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
GE 18000	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
GE 16000	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
GE 14000	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
GE 12000	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
GE 10000	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
GE 9000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 8000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 7000	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 6000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 5000	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 4500	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 4000	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 3500	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 3000	35.6	35.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 2500	51.7	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 2000	64.1	65.2	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 1800	66.9	68.5	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 1500	75.4	79.3	81.5	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1200	80.9	87.0	90.2	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.4	92.4	92.6	92.6	92.8	92.8
GE 1000	81.9	88.1	91.7	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.6	94.6	94.8	94.8
GE 900	82.0	88.3	91.9	93.5	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.8	94.8	95.0	95.0
GE 800	82.4	88.9	93.3	95.4	96.5	96.5	96.5	96.7	96.7	96.7	96.9	96.9	97.0	97.0	97.2	97.2
GE 700	82.6	89.3	93.9	95.9	97.2	97.2	97.2	97.6	97.6	97.6	97.8	97.8	98.0	98.0	98.1	98.1
GE 600	82.6	89.3	94.1	96.1	97.8	97.8	97.8	98.1	98.1	98.1	98.3	98.3	98.5	98.5	98.7	98.7
GE 500	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.1	99.3	99.3	99.4	99.4	99.6	99.6
GE 400	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.1	99.3	99.3	99.4	99.4	99.6	99.6
GE 300	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.4	99.6	99.6	99.8	99.8	100.0	100.0
GE 200	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.4	99.6	99.6	99.8	99.8	100.0	100.0
GE 100	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.4	99.6	99.6	99.8	99.8	100.0	100.0
GE 000	82.6	89.3	94.4	96.9	98.7	98.7	98.7	99.1	99.1	99.4	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	8.4	8.4	8.4	8.4	8.4	8.4	8.6	8.8	8.8	9.0	9.0	9.0	9.0	9.0	9.0	9.0
GE 20000	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 18000	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 16000	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 14000	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 12000	8.8	8.8	8.8	8.	8.8	8.8	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 10000	9.8	9.8	9.8	9.8	9.8	9.8	10.0	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4
GE 9000	10.4	10.4	10.4	10.4	10.4	10.4	10.6	10.7	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 8000	12.3	12.3	12.3	12.3	12.3	12.3	12.5	12.7	12.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9
GE 7000	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.4	13.4	13.6	13.6	13.6	13.6	13.6	13.6	13.6
GE 6000	14.4	14.4	14.4	14.4	14.4	14.4	14.6	14.8	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 5000	15.4	15.4	15.4	15.4	15.4	15.4	15.5	15.7	15.7	15.9	15.9	15.9	15.9	15.9	15.9	15.9
GE 4500	16.1	16.1	16.1	16.1	16.1	16.1	16.3	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 4000	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.2	19.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 3500	26.7	26.7	26.7	26.7	26.7	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.3	27.3	27.3	27.3
GE 3000	35.7	35.7	35.7	35.7	35.7	35.7	35.9	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 2500	52.8	53.2	53.2	53.2	53.2	53.2	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 2000	67.4	68.9	69.5	69.5	69.7	69.7	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.	70.2
GE 1800	70.6	72.7	73.7	73.7	73.9	73.9	74.1	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 1500	77.9	83.3	86.0	87.7	87.9	87.9	88.1	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	81.2	87.5	90.8	93.1	93.3	93.3	93.5	93.7	93.7	94.0	94.2	94.2	94.4	94.4	94.4	94.4
GE 1000	82.5	89.1	93.1	95.8	96.0	96.0	96.2	96.4	96.4	96.7	96.9	96.9	97.1	97.1	97.1	97.1
GE 900	82.5	89.1	93.1	95.8	96.2	96.2	96.4	96.5	96.5	96.9	97.1	97.1	97.3	97.3	97.3	97.3
GE 800	82.5	89.3	93.5	96.4	96.9	96.9	97.1	97.3	97.3	97.7	97.9	97.9	98.1	98.1	98.1	98.1
GE 700	82.5	89.4	93.7	96.7	97.3	97.3	97.5	97.7	97.7	98.1	98.3	98.3	98.5	98.5	98.5	98.5
GE 600	82.5	89.4	93.7	97.1	98.3	98.3	98.5	98.7	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.4
GE 500	82.5	89.4	93.7	97.1	98.3	98.5	98.7	98.8	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	82.5	89.4	93.7	97.1	98.3	98.5	98.7	98.8	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	82.5	89.4	93.7	97.1	98.3	98.5	98.7	98.8	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8
GE 200	82.5	89.4	93.7	97.1	98.3	98.5	98.8	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	82.5	89.4	93.7	97.1	98.3	98.5	98.8	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	82.5	89.4	93.7	97.1	98.3	98.5	98.8	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 521

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
GE 20000	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
GE 18000	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
GE 16000	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
GE 14000	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 12000	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 10000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 9000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 8000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 7000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 6000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 5000	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 4500	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 4000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 3500	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
GE 3000	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 2500	51.8	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 2000	68.0	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 1800	71.6	72.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 1500	78.6	82.7	85.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1200	83.7	89.2	93.5	93.9	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	84.3	90.2	95.1	95.5	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	84.3	90.4	95.3	95.7	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	84.5	91.0	96.5	97.1	97.6	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	84.7	91.2	96.7	97.3	97.8	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	84.9	91.6	97.3	98.0	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	84.9	91.6	97.3	98.2	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	84.9	91.6	97.3	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.9	91.6	97.3	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.9	91.6	97.3	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.9	91.6	97.3	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.9	91.6	97.3	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 510

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 20000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 18000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 16000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 14000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 12000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 10000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 9000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 8000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 7000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 6000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 5000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 4500	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 4000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	1.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 3500	23.8	23.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 3000	35.1	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
GE 2500	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 2000	64.1	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1800	68.3	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 1500	77.6	82.3	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1200	81.8	90.4	93.9	95.1	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	82.1	90.7	94.3	95.8	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	82.1	90.7	94.6	96.1	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	82.1	90.9	95.3	96.8	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	82.3	91.2	95.8	97.3	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	82.3	91.2	96.1	98.3	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	82.3	91.2	96.3	98.5	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	82.3	91.2	96.3	98.5	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	82.3	91.2	96.3	98.5	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.3	91.2	96.3	98.5	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.3	91.2	96.3	98.5	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.3	91.2	96.3	98.5	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 407

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 20000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 18000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 16000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 14000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 12000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 10000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 9000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 8000	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
GE 7000	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 6000	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 5000	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 4500	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 4000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 3500	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 3000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 2500	41.3	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 2000	56.0	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 1800	62.2	63.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 1500	71.8	77.7	81.0	82.3	82.8	82.8	82.8	82.8	82.8	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1200	76.9	84.7	89.3	92.8	93.6	93.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	78.6	86.3	90.9	94.9	96.5	96.5	96.8	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	78.6	86.3	91.2	95.2	96.8	96.8	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	78.6	86.3	91.2	95.2	97.1	97.1	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	78.6	86.3	91.2	95.2	97.1	97.1	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 600	78.6	86.6	91.7	96.0	97.9	97.9	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	78.6	86.9	92.2	97.1	98.9	98.9	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	78.6	86.9	92.2	97.1	98.9	98.9	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	78.6	86.9	92.2	97.1	99.2	99.2	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.6	86.9	92.2	97.1	99.2	99.2	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.6	86.9	92.2	97.1	99.2	99.2	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.6	86.9	92.2	97.1	99.2	99.2	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA A"  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
GE 20000	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9
GE 18000	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 16000	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 14000	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 12000	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 10000	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 9000	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
GE 8000	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 7000	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 6000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 5000	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 4500	16.9	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 4000	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 3500	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 3000	34.5	34.6	34.8	34.8	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 2500	48.4	48.8	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 2000	63.0	64.3	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 1800	67.3	69.2	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 1500	75.1	80.2	83.1	84.0	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1200	79.6	86.7	91.1	92.7	93.3	93.3	93.5	93.5	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE 1000	80.6	88.1	92.9	94.8	95.6	95.7	95.9	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.4	96.4
GE 900	80.6	88.1	93.1	95.0	95.8	95.9	96.1	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.6	96.6
GE 800	80.8	88.6	93.9	96.0	97.2	97.2	97.6	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1
GE 700	80.9	88.8	94.1	96.3	97.5	97.6	97.9	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	80.9	88.8	94.3	96.8	98.2	98.3	98.6	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 500	80.9	88.9	94.5	97.2	98.6	98.7	99.1	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 400	80.9	88.9	94.5	97.2	98.6	98.7	99.2	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	80.9	88.9	94.5	97.2	98.7	98.8	99.2	99.3	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	80.9	88.9	94.5	97.2	98.7	98.8	99.3	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	80.9	88.9	94.5	97.2	98.7	98.8	99.3	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	80.9	88.9	94.5	97.2	98.7	98.8	99.3	99.4	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3667

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 00-02

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 20000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 18000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 16000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 14000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 12000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 10000	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 9000	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 8000	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 7000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 6000	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 5000	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 4500	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 4000	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 3500	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 3000	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
GE 2500	40.0	40.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 2000	48.8	49.9	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 1800	53.0	55.3	58.9	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 1500	65.9	71.1	76.5	77.0	77.2	77.2	77.4	77.7	77.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1200	71.3	77.4	84.7	85.6	86.2	86.2	86.9	87.1	87.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1000	72.7	78.8	87.1	88.5	89.8	89.8	91.6	91.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 900	72.7	78.8	87.1	88.5	89.8	89.8	91.6	91.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 800	73.1	79.2	87.6	89.4	91.2	91.2	93.2	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	73.1	79.2	87.6	89.4	91.2	91.2	93.2	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	73.1	79.2	87.6	89.4	91.2	91.2	93.2	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	74.5	80.6	88.9	91.0	93.7	93.7	95.7	95.9	95.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 400	74.5	80.6	88.9	91.2	93.9	93.9	96.2	96.4	96.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	74.5	80.6	88.9	91.2	94.1	94.1	96.4	96.6	96.6	98.2	98.9	98.9	98.9	98.9	99.1	99.1
GE 200	74.5	80.6	88.9	91.2	94.1	94.1	96.8	97.1	97.1	98.6	99.3	99.3	99.3	99.3	99.5	99.5
GE 100	74.5	80.6	88.9	91.2	94.1	94.1	96.8	97.1	97.1	98.9	99.5	99.5	99.5	99.5	100.0	100.0
GE 000	74.5	80.6	88.9	91.2	94.1	94.1	96.8	97.1	97.1	98.9	99.5	99.5	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 443

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
GE 20000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 18000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 16000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 14000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	2.1	12.1
GE 12000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 10000	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 9000	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 8000	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 7000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 6000	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 5000	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 4500	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 4000	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
GE 3500	19.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 3000	29.0	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 2500	41.3	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 2000	52.0	53.0	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 1800	57.1	58.5	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 1500	66.7	70.6	75.2	75.8	76.0	76.0	76.2	76.2	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1200	72.8	77.4	83.5	84.7	85.1	85.1	85.7	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1000	74.0	78.6	85.5	86.7	87.1	87.1	88.3	88.3	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 900	74.0	78.6	85.7	86.9	87.3	87.3	88.5	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 800	74.2	78.8	86.5	87.9	88.7	88.7	90.1	90.5	90.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 700	74.2	78.8	86.5	87.9	88.7	88.7	90.3	90.7	90.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 600	74.2	78.8	86.7	88.1	88.9	88.9	90.5	90.9	90.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 500	75.2	79.8	87.7	89.1	90.3	90.3	92.3	92.7	92.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 400	75.2	79.8	87.7	89.3	90.7	90.7	92.7	93.3	93.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 300	75.4	80.0	88.1	89.9	92.1	92.1	94.2	94.8	94.8	97.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	75.4	80.0	88.1	89.9	92.1	92.1	95.0	95.6	95.6	98.0	98.0	99.0	99.0	99.0	99.0	99.0
GE 100	75.4	80.0	88.1	89.9	92.1	92.1	95.0	95.6	95.6	98.4	99.6	99.6	99.6	99.6	99.8	99.8
GE 000	75.4	80.0	88.1	89.9	92.1	92.1	95.0	95.6	95.6	98.4	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 496



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 20000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 18000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 16000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 14000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 12000	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
GE 10000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 9000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 8000	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
GE 7000	14.4	14.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
GE 6000	15.3	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 5000	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 4500	17.1	17.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
GE 4000	18.2	18.2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 3500	20.4	20.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 3000	27.8	27.9	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 2500	39.6	40.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 2000	52.7	53.2	54.2	54.2	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 1800	57.4	58.7	60.5	60.8	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 1500	67.6	71.0	74.2	74.6	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 1200	72.2	76.6	81.8	82.9	84.1	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1000	74.3	78.7	84.4	85.7	87.2	87.2	87.8	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.6	88.6
GE 900	74.5	78.8	84.5	85.9	87.4	87.4	88.0	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.7	88.7
GE 800	75.4	79.9	85.6	87.1	88.7	88.7	89.3	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.2	90.2
GE 700	75.4	79.9	85.6	87.1	88.7	88.7	89.3	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.2	90.2
GE 600	75.4	79.9	85.6	87.5	89.2	89.2	89.8	90.1	90.1	90.5	90.5	90.5	90.5	90.5	90.7	90.7
GE 500	76.7	81.2	87.2	89.6	91.6	91.6	92.3	92.8	92.8	93.7	93.8	93.8	93.8	93.8	94.0	94.0
GE 400	76.7	81.2	87.5	90.1	92.2	92.2	92.9	93.4	93.4	94.4	94.6	94.6	94.6	94.6	94.7	94.7
GE 300	76.7	81.2	87.5	90.8	93.5	93.5	94.4	95.0	95.3	96.5	96.8	96.8	96.8	96.8	97.0	97.0
GE 200	76.7	81.2	87.5	90.8	93.7	93.7	95.0	95.6	95.9	97.3	97.9	97.9	97.9	97.9	98.0	98.0
GE 100	76.7	81.2	87.5	90.8	93.7	93.7	95.2	95.8	96.1	97.7	98.5	98.5	98.5	98.5	98.8	99.2
GE 000	76.7	81.2	87.5	90.8	93.7	93.7	95.2	95.8	96.1	97.7	98.5	98.5	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 666

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.3	10.3	10.3	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.3	11.3	11.5	11.5
GE 20000	10.3	10.3	10.6	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.3	11.3	11.5	11.5
GE 18000	10.3	10.3	10.8	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6
GE 16000	10.3	10.3	10.8	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6
GE 14000	10.3	10.3	10.8	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6
GE 12000	10.3	10.3	10.8	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6
GE 10000	11.3	11.3	11.8	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.5	12.5	12.6	12.6
GE 9000	11.3	11.3	11.8	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.5	12.5	12.6	12.6
GE 8000	13.2	13.2	13.7	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.4	14.4	14.5	14.7
GE 7000	14.1	14.1	14.5	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.3	15.3	15.4	15.6
GE 6000	15.4	15.4	15.8	16.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.6	16.6	16.7	16.9
GE 5000	16.3	16.3	16.7	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.4	17.4	17.6	17.7
GE 4500	16.3	16.3	16.7	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.4	17.4	17.6	17.7
GE 4000	18.9	18.9	19.3	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.1	20.1	20.2	20.3
GE 3500	22.1	22.1	22.5	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.3	23.3	23.4	23.5
GE 3000	29.2	29.2	29.8	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.5	30.5	30.7	30.8
GE 2500	40.6	40.7	41.4	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.3	42.3	42.4	42.6
GE 2000	53.9	54.9	56.4	57.0	57.4	57.4	57.6	57.8	57.8	57.8	57.8	57.8	58.1	58.1	58.3	58.4
GE 1800	57.7	59.4	61.5	62.4	62.8	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.5	63.5	63.7	63.8
GE 1500	69.6	73.0	76.6	77.8	78.5	78.6	78.9	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.7	79.8
GE 1200	72.7	78.2	82.7	84.3	85.9	86.0	86.9	87.2	87.2	87.2	87.2	87.2	87.5	87.5	87.6	87.8
GE 1000	73.7	79.7	85.0	86.8	88.7	88.8	89.7	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.6	90.7
GE 900	73.8	79.9	85.3	87.1	89.0	89.1	90.0	90.4	90.4	90.4	90.4	90.4	90.7	90.7	90.8	91.0
GE 800	74.6	81.1	86.6	88.7	91.3	91.6	92.6	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.6	93.8
GE 700	74.6	81.4	87.1	89.1	91.7	92.0	93.0	93.6	93.6	93.6	93.6	93.6	93.9	93.9	94.0	94.2
GE 600	74.7	81.8	87.6	90.0	92.7	93.0	94.2	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.2	95.3
GE 500	75.3	82.4	88.5	91.3	94.2	94.5	95.6	96.2	96.2	96.5	96.5	96.5	96.8	96.8	96.9	97.1
GE 400	75.3	82.4	88.5	91.3	94.2	94.5	95.8	96.4	96.4	96.8	96.8	96.8	97.2	97.2	97.4	97.5
GE 300	75.3	82.4	89.0	91.9	94.9	95.2	96.5	97.1	97.1	97.8	97.8	97.8	98.3	98.3	98.4	98.5
GE 200	75.4	82.7	89.2	92.3	95.3	95.6	96.9	97.7	97.7	98.4	98.4	98.4	99.0	99.0	99.3	99.4
GE 100	75.4	82.7	89.2	92.3	95.3	95.6	96.9	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.7	99.9
GE 000	75.4	82.7	89.2	92.3	95.3	95.6	96.9	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 688

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.2	13.3	13.8	14.1	14.3	14.3	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 20000	13.5	13.6	14.1	14.3	14.6	14.6	14.6	14.6	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 18000	13.9	14.1	14.5	14.8	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 16000	13.9	14.1	14.5	14.8	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 14000	14.3	14.5	14.9	15.2	15.5	15.5	15.5	15.5	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 12000	14.3	14.5	14.9	15.2	15.5	15.5	15.5	15.5	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 10000	16.3	16.4	16.9	17.2	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 9000	16.4	16.6	17.0	17.3	17.6	17.6	17.6	17.6	17.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 8000	18.3	18.5	19.1	19.4	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 7000	18.6	18.8	19.4	19.7	20.0	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 6000	20.1	20.3	20.9	21.2	21.4	21.4	21.4	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 5000	21.7	21.9	22.5	22.8	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 4500	21.7	21.9	22.5	22.8	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 4000	24.9	25.0	25.6	25.9	26.2	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 3500	27.5	27.7	28.3	28.6	28.8	28.8	28.8	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 3000	35.2	35.4	35.9	36.2	36.7	36.7	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 2500	47.8	47.9	48.5	48.8	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 2000	60.4	61.4	62.9	63.3	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 1800	63.8	65.5	67.2	68.0	68.6	68.6	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1500	73.1	76.6	80.6	82.0	83.1	83.1	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1200	75.0	79.7	84.9	86.8	88.8	88.8	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1000	76.0	81.2	87.0	89.3	91.6	91.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 900	76.3	81.8	87.6	89.9	92.2	92.2	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 800	76.8	82.4	88.6	91.4	93.9	93.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	76.8	82.5	88.8	91.9	94.4	94.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	77.2	83.0	89.3	92.8	95.3	95.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 500	77.2	83.1	89.9	93.3	96.2	96.2	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	77.4	83.3	90.1	93.8	96.6	96.6	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	77.4	83.3	90.1	94.2	97.0	97.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	77.4	83.3	90.1	94.4	97.5	97.5	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	77.4	83.3	90.1	94.5	97.6	97.6	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	77.4	83.3	90.1	94.5	97.6	97.6	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 676

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.0	16.0	16.4	16.4	16.6	16.6	16.6	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 20000	17.4	17.5	18.0	18.0	18.2	18.2	18.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 18000	17.4	17.5	18.0	18.0	18.2	18.2	18.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 16000	17.5	17.7	18.2	18.2	18.3	18.3	18.3	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 14000	18.2	18.3	18.8	18.8	18.9	18.9	18.9	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 12000	18.3	18.5	18.9	18.9	19.1	19.1	19.1	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 10000	19.7	19.9	20.3	20.3	20.5	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 9000	19.7	19.9	20.3	20.3	20.5	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 8000	22.1	22.2	22.7	22.7	22.8	22.8	22.8	23.3	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 7000	22.4	22.5	23.0	23.0	23.2	23.2	23.2	23.6	23.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 6000	23.8	23.9	24.4	24.4	24.6	24.6	24.6	25.0	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5
GE 5000	25.4	25.5	26.0	26.0	26.1	26.1	26.1	26.6	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 4500	25.8	26.0	26.4	26.4	26.6	26.6	26.6	27.1	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 4000	28.2	28.3	28.8	28.8	29.0	29.0	29.0	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 3500	32.2	32.4	32.9	32.9	33.0	33.0	33.0	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 3000	40.8	41.0	41.5	41.5	41.6	41.6	41.6	42.1	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 2500	53.7	53.8	54.3	54.3	54.5	54.5	54.5	54.9	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 2000	67.4	67.9	69.2	69.2	69.3	69.3	69.3	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 1800	71.8	72.3	74.3	74.6	74.8	74.8	74.8	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 1500	77.0	78.2	83.6	84.7	85.4	85.4	85.6	86.1	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	79.3	80.6	87.6	89.2	90.1	90.1	90.3	91.1	91.4	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 1000	80.8	82.2	89.4	91.1	92.2	92.2	92.3	93.1	93.4	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 900	80.9	82.3	89.8	92.2	93.3	93.3	93.4	94.2	94.5	95.1	95.1	95.1	95.3	95.3	95.3	95.3
GE 800	81.1	82.6	90.9	93.4	94.5	94.5	94.8	95.6	95.9	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 700	81.1	82.8	91.1	93.7	94.8	94.8	95.1	95.9	96.2	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 600	81.1	82.8	91.1	93.9	95.0	95.0	95.3	96.1	96.4	97.0	97.0	97.0	97.2	97.2	97.2	97.2
GE 500	81.1	82.9	91.4	94.5	96.2	96.2	96.7	98.0	98.3	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 400	81.1	82.9	91.4	94.8	96.6	96.6	97.2	98.4	98.7	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 300	81.1	82.9	91.4	94.8	96.7	96.7	97.3	98.6	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 200	81.1	82.9	91.4	94.8	96.9	96.9	97.7	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	81.1	82.9	91.4	94.8	96.9	96.9	97.7	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	81.1	82.9	91.4	94.8	96.9	96.9	97.7	98.9	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 639

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.2	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
GE 20000	13.8	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 18000	14.0	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 16000	14.7	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 14000	14.7	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 12000	14.7	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 10000	16.4	17.2	17.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 9000	16.4	17.2	17.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 8000	18.9	19.7	19.9	20.1	20.1	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 7000	19.5	20.3	20.8	21.0	21.0	21.0	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 6000	20.1	21.0	21.4	21.6	21.6	21.6	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 5000	21.2	22.0	22.4	22.6	22.6	22.6	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 4500	21.2	22.0	22.4	22.6	22.6	22.6	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 4000	22.2	23.1	23.5	23.7	23.7	23.7	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 3500	25.4	26.2	26.6	26.8	26.8	26.8	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 3000	35.2	36.1	36.7	36.9	36.9	36.9	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 2500	47.0	48.0	48.8	49.1	49.1	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 2000	62.5	63.9	65.0	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1800	66.0	67.7	69.4	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 1500	74.6	78.0	81.8	83.6	84.5	84.5	85.5	85.5	85.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	77.4	80.9	86.8	89.3	90.1	90.1	91.2	91.8	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	77.6	81.3	87.4	89.9	91.0	91.0	92.5	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	77.6	82.0	88.3	90.8	92.0	92.0	93.5	94.1	94.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	77.6	82.0	88.3	90.8	92.0	92.0	93.5	94.1	94.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 700	78.0	82.4	88.9	91.8	93.1	93.1	94.5	95.2	95.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	78.2	82.6	89.3	92.1	94.1	94.1	95.6	96.2	96.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 000	78.2	82.6	89.3	92.9	95.2	95.2	96.6	97.5	97.5	99.4	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 477

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: 21-23

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.2	13.8	13.8	13.8	13.8	13.8	13.8	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 20000	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 18000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
GE 16000	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
GE 14000	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
GE 12000	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
GE 10000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 9000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 8000	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 7000	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 6000	20.5	20.5	20.5	20.5	21.0	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 5000	20.5	20.5	20.5	20.5	21.0	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 4500	20.5	20.5	20.5	20.5	21.0	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 4000	21.0	21.0	21.0	21.0	21.4	21.4	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 3500	24.6	24.6	24.6	24.6	25.0	25.0	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 3000	31.9	31.9	31.9	31.9	32.4	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 2500	37.7	37.9	38.6	38.6	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 2000	47.5	48.4	49.1	49.1	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 1800	53.3	55.1	57.4	57.6	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 1500	67.0	72.1	76.3	77.9	78.3	78.3	79.0	79.2	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 1200	72.5	78.1	83.7	86.2	86.8	86.8	88.2	88.8	88.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1000	74.6	80.1	87.3	90.2	91.7	91.7	93.5	94.2	94.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	74.8	80.4	87.5	90.6	92.2	92.2	94.0	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800	75.2	80.8	88.2	91.5	93.1	93.1	95.1	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	75.2	80.8	88.2	91.5	93.1	93.1	95.1	95.8	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	75.2	80.8	88.2	91.7	93.3	93.3	95.3	96.0	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	75.7	81.3	88.6	92.4	94.0	94.0	96.2	96.9	96.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	75.7	81.3	88.6	92.6	94.2	94.2	96.4	97.1	97.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	75.7	81.3	88.6	92.6	94.2	94.2	96.4	97.1	97.1	98.7	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	75.7	81.3	88.6	92.6	94.2	94.2	96.4	97.3	97.3	98.9	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	75.7	81.3	88.6	92.6	94.2	94.2	96.4	97.3	97.3	98.9	99.6	99.6	99.8	99.8	99.8	99.8
GE 000	75.7	81.3	88.6	92.6	94.2	94.2	96.4	97.3	97.3	98.9	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 448

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	12.7	12.8	13.0	13.1	13.1	13.1	13.1	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 20000	13.3	13.4	13.6	13.7	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0
GE 18000	13.4	13.6	13.8	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 16000	13.6	13.7	13.9	14.0	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3
GE 14000	13.7	13.9	14.1	14.2	14.3	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 12000	13.8	13.9	14.1	14.2	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5
GE 10000	15.0	15.1	15.3	15.4	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.7	15.7	15.7	15.7
GE 9000	15.0	15.2	15.4	15.5	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.8	15.8
GE 8000	16.9	17.1	17.3	17.4	17.5	17.5	17.5	17.6	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8
GE 7000	17.6	17.7	18.0	18.1	18.2	18.2	18.2	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.5	18.5
GE 6000	18.7	18.8	19.1	19.2	19.3	19.3	19.4	19.5	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.7
GE 5000	19.5	19.7	20.0	20.1	20.2	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 4500	19.7	19.9	20.2	20.3	20.4	20.4	20.5	20.6	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7
GE 4000	21.3	21.4	21.7	21.8	22.0	22.0	22.0	22.1	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3
GE 3500	24.3	24.4	24.7	24.8	25.0	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3
GE 3000	32.4	32.6	33.0	33.1	33.3	33.3	33.3	33.4	33.5	33.5	33.5	33.5	33.6	33.6	33.6	33.6
GE 2500	43.8	44.1	44.8	44.9	45.1	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4
GE 2000	56.2	57.1	58.3	58.6	58.9	58.9	59.0	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 1800	60.5	62.0	64.2	64.7	65.1	65.1	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
GE 1500	70.5	74.0	78.2	79.2	80.0	80.0	80.4	80.6	80.6	81.0	81.0	81.0	81.1	81.1	81.1	81.1
GE 1200	74.3	78.6	84.4	86.0	87.1	87.2	87.9	88.2	88.2	88.7	88.7	88.7	88.7	88.7	88.8	88.8
GE 1000	75.6	80.1	86.6	88.4	89.9	89.9	91.0	91.3	91.4	92.0	92.0	92.0	92.1	92.1	92.1	92.1
GE 900	75.7	80.4	86.9	88.9	90.4	90.4	91.4	91.8	91.9	92.5	92.5	92.5	92.6	92.6	92.6	92.6
GE 800	76.1	81.0	87.8	90.0	91.7	91.8	92.9	93.4	93.4	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 700	76.2	81.1	88.0	90.3	92.0	92.1	93.2	93.7	93.7	94.4	94.4	94.4	94.5	94.5	94.5	94.6
GE 600	76.3	81.2	88.2	90.8	92.5	92.6	93.8	94.2	94.3	95.0	95.0	95.0	95.0	95.0	95.1	95.1
GE 500	76.9	81.9	89.0	91.8	94.0	94.0	95.4	96.0	96.1	97.1	97.1	97.1	97.2	97.2	97.2	97.3
GE 400	76.9	81.9	89.1	92.1	94.3	94.3	95.8	96.4	96.4	97.5	97.6	97.6	97.7	97.7	97.7	97.7
GE 300	76.9	81.9	89.2	92.4	94.9	94.9	96.4	97.0	97.1	98.3	98.6	98.6	98.7	98.7	98.7	98.8
GE 200	76.9	82.0	89.2	92.5	95.0	95.1	96.8	97.5	97.6	98.8	99.1	99.1	99.2	99.2	99.3	99.3
GE 100	76.9	82.0	89.2	92.5	95.1	95.1	96.8	97.5	97.6	99.0	99.4	99.4	99.5	99.5	99.7	99.8
GE 000	76.9	82.0	89.2	92.5	95.1	95.1	96.8	97.5	97.6	99.0	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4533

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.5	9.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
GE 20000	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 18000	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 16000	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 14000	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 12000	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 10000	11.1	11.1	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 9000	11.1	11.1	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
GE 8000	12.9	12.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 7000	12.9	12.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 6000	12.9	12.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 5000	13.4	13.4	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 4500	13.4	13.4	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 4000	13.6	13.6	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 3500	16.1	16.1	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
GE 3000	24.0	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 2500	31.1	31.3	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 2000	38.8	39.9	40.8	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 1800	43.1	44.2	45.6	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 1500	52.4	55.3	59.0	61.2	62.6	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 1200	56.5	60.5	66.0	68.9	71.2	71.2	72.6	72.6	72.6	72.6	72.6	72.6	72.8	72.8	72.8	73.0
GE 1000	63.3	67.3	73.9	78.0	81.0	81.4	84.1	84.6	84.6	84.8	84.8	84.8	85.0	85.0	85.0	85.5
GE 900	63.9	68.0	74.6	78.7	82.3	83.0	86.2	86.6	86.6	86.8	86.8	86.8	87.1	87.1	87.1	87.5
GE 800	66.0	70.1	76.6	82.3	86.4	87.1	91.2	91.6	91.6	91.8	91.8	91.8	92.1	92.1	92.1	92.5
GE 700	66.0	70.1	76.6	82.3	86.4	87.1	91.2	91.6	91.6	91.8	91.8	91.8	92.3	92.3	92.3	92.7
GE 600	66.0	70.1	76.9	82.5	86.6	87.3	91.4	91.8	91.8	92.1	92.1	92.1	92.5	92.5	92.5	93.0
GE 500	66.0	70.1	77.1	83.7	88.4	89.1	93.4	93.9	93.9	94.1	94.1	94.1	94.8	94.8	94.8	95.2
GE 400	66.0	70.1	77.6	84.1	88.9	89.6	94.3	94.8	94.8	95.0	95.0	95.0	95.7	95.7	95.7	96.1
GE 300	66.0	70.1	77.6	84.4	89.1	89.8	95.0	95.5	95.5	95.7	95.7	95.7	96.6	96.6	96.6	97.1
GE 200	66.0	70.1	77.6	84.4	89.1	90.0	95.5	96.6	96.6	97.5	97.5	97.5	98.9	98.9	98.9	99.3
GE 100	66.0	70.1	77.6	84.4	89.1	90.0	95.5	96.6	96.6	97.7	97.7	97.7	99.1	99.1	99.3	99.8
GE 000	66.0	70.1	77.6	84.4	89.1	90.0	95.5	96.6	96.6	97.7	97.7	97.7	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 441



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 20000	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 18000	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 16000	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 14000	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 12000	11.8	11.8	11.8	11.8	12.0	12.0	12.0	12.0	12.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 10000	13.0	13.0	13.0	13.0	13.2	13.2	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 9000	13.0	13.0	13.0	13.0	13.2	13.2	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 8000	14.3	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 7000	14.9	14.9	14.9	14.9	15.1	15.1	15.1	15.1	15.1	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 6000	15.1	15.1	15.1	15.1	15.3	15.3	15.3	15.3	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 5000	15.7	15.7	15.7	15.7	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 4500	16.1	16.1	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 4000	18.1	18.1	18.1	18.1	18.3	18.3	18.3	18.3	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 3500	20.0	20.2	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 3000	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5
GE 2500	34.4	34.4	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 2000	46.0	46.0	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 1800	50.7	50.7	54.0	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 1500	58.7	61.7	65.8	68.2	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 1200	62.1	66.4	72.5	76.8	77.4	77.4	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 1000	63.7	68.4	75.4	81.3	83.3	83.3	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 900	64.0	68.6	75.6	82.3	84.3	84.7	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 800	64.4	69.0	76.0	83.9	86.6	87.0	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 700	64.4	69.0	76.2	84.3	87.4	87.8	89.2	89.2	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 600	65.0	69.7	77.0	85.3	88.4	88.8	90.8	91.0	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 500	65.0	69.7	77.6	86.6	89.6	90.0	92.3	92.5	92.5	93.9	93.9	93.9	94.1	94.1	94.1	94.1
GE 400	65.0	69.7	78.0	87.2	90.4	90.8	93.3	93.5	93.5	95.3	95.3	95.3	95.5	95.5	95.5	95.5
GE 300	65.0	69.7	78.0	87.8	91.0	91.4	94.1	94.3	94.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
GE 200	65.0	69.7	78.0	87.8	91.2	91.6	94.5	94.9	94.9	97.1	97.6	97.6	98.2	98.2	98.2	98.2
GE 100	65.0	69.7	78.0	87.8	91.4	91.9	94.7	95.1	95.3	98.0	98.6	98.6	99.4	99.4	99.4	99.6
GE 000	65.0	69.7	78.0	87.8	91.4	91.9	94.7	95.1	95.3	98.0	98.6	98.6	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2
GE 20000	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4
GE 18000	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4
GE 16000	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4
GE 14000	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.0	11.0	11.0	11.0	11.0	11.0
GE 12000	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1
GE 10000	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8
GE 9000	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8
GE 8000	12.4	12.5	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8
GE 7000	13.3	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.8	13.8	13.8	13.8	13.8	13.8
GE 6000	15.8	15.9	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.6	16.6	16.6	16.6	16.6	16.6
GE 5000	17.3	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	18.1	18.1	18.1	18.1	18.1	18.1
GE 4500	17.8	18.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6	18.6	18.6	18.6	18.6
GE 4000	21.1	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.8	21.8	21.8	21.8	21.8	21.8
GE 3500	23.2	23.7	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.5	24.5	24.5	24.5	24.5	24.5
GE 3000	26.9	27.4	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2
GE 2500	36.8	37.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4
GE 2000	45.2	46.3	47.4	47.8	47.8	47.8	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5
GE 1800	51.1	52.9	54.3	55.3	55.6	55.6	56.0	56.0	56.0	56.2	56.5	56.5	56.5	56.5	56.5	56.5
GE 1500	58.8	61.9	64.2	65.6	66.7	66.7	67.2	67.2	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0
GE 1200	64.2	68.9	73.1	75.9	77.2	77.2	77.7	77.7	77.7	78.2	78.5	78.5	78.5	78.5	78.5	78.5
GE 1000	66.6	72.0	76.6	79.6	81.7	81.7	82.2	82.2	82.2	82.8	83.1	83.1	83.1	83.1	83.1	83.1
GE 900	66.6	72.3	77.1	80.5	82.7	82.7	83.1	83.1	83.1	83.7	84.1	84.1	84.1	84.1	84.1	84.1
GE 800	67.3	73.4	78.5	82.7	85.9	85.9	86.8	86.8	86.8	87.9	88.2	88.2	88.2	88.2	88.2	88.2
GE 700	67.3	73.5	79.1	83.4	86.8	86.8	87.9	87.9	87.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3
GE 600	67.6	74.1	79.9	84.4	87.8	87.8	89.0	89.0	89.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4
GE 500	67.6	74.1	80.0	85.0	88.7	88.7	90.1	90.1	90.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8
GE 400	67.6	74.1	80.0	85.0	89.0	89.0	91.2	91.2	91.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0
GE 300	67.6	74.1	80.0	85.1	89.2	89.2	91.6	91.8	91.8	93.3	93.7	93.7	93.7	93.7	93.7	93.7
GE 200	67.6	74.1	80.0	85.1	89.5	89.5	92.6	93.0	93.0	95.8	96.4	96.4	96.4	96.4	96.4	96.4
GE 100	67.6	74.1	80.0	85.1	89.5	89.5	92.6	93.3	93.3	96.7	97.5	97.5	98.1	98.1	98.6	98.8
GE 000	67.6	74.1	80.0	85.1	89.5	89.5	92.6	93.3	93.3	96.9	97.8	97.8	98.6	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 646

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.8	11.9	11.9	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 20000	12.1	12.2	12.2	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 18000	12.1	12.2	12.2	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 16000	12.1	12.2	12.2	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 14000	12.9	13.1	13.1	13.2	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 12000	12.9	13.1	13.1	13.2	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 10000	15.7	15.8	15.8	15.9	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 9000	15.7	15.8	15.8	15.9	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 8000	18.1	18.2	18.2	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 7000	19.1	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 6000	21.3	21.6	21.6	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
GE 5000	22.0	22.4	22.4	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8
GE 4500	22.6	23.0	23.0	23.1	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4
GE 4000	26.0	26.4	26.4	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.9	26.9	26.9	26.9
GE 3500	27.7	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.6	28.6	28.6	28.6
GE 3000	35.1	35.5	35.5	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.1	36.1	36.1	36.1
GE 2500	42.1	42.5	42.5	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.4	43.4	43.4	43.4
GE 2000	53.4	54.5	54.5	55.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.8	56.8	56.8	56.8
GE 1800	58.8	59.9	60.1	61.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6
GE 1500	67.1	68.5	69.7	71.6	73.1	73.1	73.1	73.3	73.3	73.6	73.6	73.6	73.7	73.7	73.7	73.7
GE 1200	71.3	73.3	75.7	79.0	80.7	80.7	80.9	81.3	81.3	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 1000	72.7	75.9	79.2	83.0	85.5	85.5	86.1	86.6	86.6	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 900	72.7	75.9	79.2	83.3	85.9	85.9	86.5	87.1	87.1	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 800	73.9	77.3	80.7	85.2	87.9	87.9	88.9	89.5	89.5	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 700	74.3	77.7	81.6	86.2	88.9	88.9	89.9	90.5	90.5	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 600	74.3	77.7	81.6	86.8	89.8	89.8	90.9	91.7	91.7	92.2	92.2	92.2	92.4	92.4	92.4	92.4
GE 500	74.4	77.9	82.2	87.6	90.9	90.9	92.1	92.8	92.8	93.5	93.5	93.5	93.7	93.7	93.7	93.7
GE 400	74.4	77.9	82.5	88.1	91.7	91.7	93.0	93.7	93.7	94.5	94.5	94.5	95.1	95.1	95.1	95.1
GE 300	74.6	78.2	82.8	88.5	92.2	92.2	93.7	94.4	94.4	95.5	95.7	95.7	96.4	96.4	96.4	96.4
GE 200	74.6	78.2	82.8	88.6	92.5	92.7	94.5	95.8	95.8	97.4	97.7	97.7	98.7	98.7	98.7	98.7
GE 100	74.6	78.2	82.8	88.6	92.5	92.7	94.5	95.8	95.8	97.7	98.0	98.0	99.4	99.4	99.6	99.6
GE 000	74.6	78.2	82.8	88.6	92.5	92.7	94.5	95.8	95.8	97.7	98.0	98.0	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 696

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.0	15.1	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.9	15.9	15.9	15.9	15.9	15.9	15.9
GE 20000	15.6	15.7	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 18000	15.6	15.7	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 16000	15.6	15.7	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 14000	15.9	16.0	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 12000	15.9	16.0	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 10000	17.5	17.6	17.8	17.8	17.9	17.9	17.9	17.9	17.9	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 9000	17.9	18.1	18.2	18.2	18.4	18.4	18.4	18.4	18.4	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 8000	19.1	19.3	19.4	19.4	19.6	19.6	19.6	19.6	19.6	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 7000	20.1	20.3	20.4	20.4	20.6	20.6	20.6	20.6	20.6	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 6000	23.1	23.3	23.4	23.4	23.6	23.6	23.6	23.6	23.6	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 5000	24.4	24.7	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6
GE 4500	24.9	25.2	25.3	25.3	25.5	25.5	25.5	25.5	25.5	26.1	26.1	26.1	26.1	26.1	26.1	26.1
GE 4000	28.9	29.2	29.6	29.6	29.8	29.8	29.8	29.8	29.8	30.4	30.4	30.4	30.4	30.4	30.4	30.4
GE 3500	30.2	30.5	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 3000	37.8	38.1	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 2500	48.9	49.2	49.8	49.8	49.9	49.9	50.1	50.1	50.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 2000	61.2	61.9	62.7	63.1	63.4	63.4	63.6	63.6	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 1800	65.8	66.5	67.9	68.3	68.6	68.6	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 1500	73.0	74.8	77.0	78.4	79.0	79.0	79.3	79.3	79.3	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1200	76.0	78.8	81.6	83.6	84.3	84.3	84.6	84.6	84.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1000	77.2	80.1	83.9	86.4	87.6	87.6	88.0	88.3	88.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 900	77.2	80.1	84.1	87.0	88.1	88.1	88.6	88.9	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	78.8	82.1	86.8	89.9	92.0	92.0	92.9	93.3	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	79.1	82.4	87.1	90.4	92.7	92.7	93.8	94.2	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	79.3	82.5	87.6	91.4	93.8	93.8	94.8	95.3	95.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 500	79.3	82.5	87.6	91.6	93.9	93.9	95.3	95.7	95.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2
GE 400	79.3	82.5	87.7	91.7	94.2	94.2	95.7	96.1	96.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6
GE 300	79.3	82.5	87.7	91.9	94.7	94.7	96.1	96.7	96.9	98.1	98.2	98.2	98.4	98.4	98.4	98.4
GE 200	79.4	82.7	87.9	92.0	95.1	95.1	96.7	97.3	97.5	99.0	99.4	99.4	99.6	99.6	99.6	99.6
GE 100	79.4	82.7	87.9	92.0	95.1	95.1	97.2	97.8	97.9	99.4	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	79.4	82.7	87.9	92.0	95.1	95.1	97.2	97.8	97.9	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 675

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.5	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 20000	14.4	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 18000	14.4	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 16000	14.4	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 14000	14.4	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 12000	14.4	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 10000	16.0	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.6	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 9000	16.8	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 8000	18.8	19.1	19.3	19.3	19.3	19.3	19.3	19.4	19.6	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 7000	20.1	20.4	20.5	20.5	20.5	20.5	20.5	20.7	20.8	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 6000	22.1	22.4	22.7	22.7	22.7	22.7	22.7	22.9	23.0	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 5000	24.1	24.5	24.8	24.8	24.8	24.8	24.8	24.9	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 4500	24.5	24.8	25.1	25.1	25.1	25.1	25.1	25.2	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 4000	29.3	29.6	29.9	29.9	29.9	29.9	29.9	30.1	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 3500	30.6	30.9	31.2	31.2	31.2	31.2	31.2	31.3	31.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 3000	41.4	41.7	42.0	42.0	42.0	42.0	42.0	42.2	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 200	51.4	51.9	52.2	52.2	52.2	52.2	52.2	52.4	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 2000	64.3	65.4	65.8	65.8	65.8	65.8	65.8	66.0	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 1800	67.2	68.8	70.1	70.1	70.1	70.1	70.1	70.2	70.5	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 1500	75.4	77.3	79.8	80.4	81.0	81.0	81.2	81.5	81.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1200	79.6	82.1	86.2	87.3	88.2	88.2	88.6	88.9	89.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	80.6	83.4	88.1	90.4	91.7	91.7	92.3	92.8	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	80.7	83.5	88.7	91.4	92.8	92.8	93.7	94.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	81.5	84.5	90.1	93.1	94.7	94.7	95.9	96.4	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	81.7	84.6	90.4	93.4	95.0	95.0	96.4	96.9	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	81.7	84.6	90.4	93.4	95.0	95.0	96.6	97.0	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	81.8	84.8	90.6	93.7	95.3	95.3	96.9	97.5	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	81.8	84.8	90.6	93.7	95.3	95.3	96.9	97.5	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	81.8	84.8	90.6	93.7	95.3	95.3	96.9	97.5	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	81.8	84.8	90.6	93.9	95.5	95.5	97.0	97.6	98.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 100	81.8	84.8	90.6	93.9	95.5	95.5	97.0	97.6	98.0	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	81.8	84.8	90.6	93.9	95.5	95.5	97.0	97.6	98.0	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 638

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 18-20

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	13.1	13.5	13.5	13.8	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	
GE 20000	13.8	14.2	14.2	14.4	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
GE 18000	13.8	14.2	14.2	14.4	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
GE 16000	13.8	14.2	14.2	14.4	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
GE 14000	14.2	14.6	14.6	14.8	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
GE 12000	14.6	15.1	15.1	15.3	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	
GE 10000	15.7	16.1	16.1	16.3	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.0	17.0	17.0	17.0	
GE 9000	16.8	17.2	17.2	17.4	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	18.1	18.1	18.1	18.1	
GE 8000	18.1	18.5	18.5	18.7	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.4	19.4	19.4	19.4	
GE 7000	19.8	20.2	20.2	20.4	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.3	21.3	21.3	
GE 6000	21.5	21.9	21.9	22.2	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.0	23.0	23.0	23.0	
GE 5000	21.5	21.9	21.9	22.2	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.0	23.0	23.0	23.0	
GE 4500	21.7	22.2	22.2	22.4	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	23.2	23.2	23.2	23.2	
GE 4000	23.2	23.7	23.7	23.9	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.7	24.7	24.7	24.7	
GE 3500	25.4	25.8	25.8	26.0	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.9	26.9	26.9	26.9	
GE 3000	31.4	31.8	31.8	32.3	32.7	32.7	32.9	32.9	32.9	33.1	33.1	33.1	33.5	33.5	33.5	33.5	
GE 2500	42.6	43.0	43.0	43.4	43.9	43.9	44.1	44.1	44.1	44.3	44.3	44.3	44.7	44.7	44.7	44.7	
GE 2000	53.8	54.2	54.8	55.3	55.7	55.7	55.9	55.9	55.9	56.1	56.1	56.1	56.6	56.6	56.6	56.6	
GE 1800	60.4	61.3	61.9	62.4	62.8	62.8	63.0	63.0	63.0	63.2	63.2	63.2	63.7	63.7	63.7	63.7	
GE 1500	70.8	72.5	73.8	74.6	75.1	75.1	75.3	75.3	75.3	75.5	75.5	75.5	75.9	75.9	75.9	75.9	
GE 1200	79.1	81.3	84.1	84.9	86.5	86.5	86.7	86.7	86.7	86.9	86.9	86.9	87.3	87.3	87.3	87.3	
GE 1000	82.2	84.7	87.5	89.2	90.8	90.8	91.2	91.4	91.4	91.6	91.6	91.6	92.0	92.0	92.0	92.0	
GE 900	82.2	84.7	87.5	89.5	91.0	91.0	91.4	91.6	91.6	91.8	91.8	91.8	92.3	92.3	92.3	92.3	
GE 800	82.6	85.4	88.6	91.8	93.5	93.5	94.0	94.2	94.2	94.6	94.6	94.6	95.1	95.1	95.1	95.1	
GE 700	82.6	85.4	88.6	91.8	93.5	93.5	94.2	94.4	94.4	94.8	94.8	94.8	95.3	95.3	95.3	95.3	
GE 600	83.0	85.8	89.0	92.5	94.4	94.4	95.3	95.5	95.5	96.1	96.1	96.1	96.6	96.6	96.6	96.6	
GE 500	83.2	86.0	89.2	92.7	94.8	94.8	95.9	96.1	96.1	96.8	96.8	96.8	97.2	97.2	97.2	97.2	
GE 400	83.2	86.0	89.5	92.9	95.1	95.1	96.1	96.6	96.6	97.2	97.2	97.2	97.6	97.6	97.6	97.6	
GE 300	83.2	86.0	89.7	93.3	95.7	95.7	96.8	97.2	97.2	98.1	98.1	98.1	98.5	98.5	98.5	98.5	
GE 200	83.2	86.0	89.7	93.3	95.7	95.7	97.0	97.6	97.6	98.7	98.9	98.9	99.4	99.4	99.6	100.0	
GE 100	83.2	86.0	89.7	93.3	95.7	95.7	97.0	97.6	97.6	98.7	98.9	98.9	99.4	99.4	99.6	100.0	
GE 000	83.2	86.0	89.7	93.3	95.7	95.7	97.0	97.6	97.6	98.7	98.9	98.9	99.4	99.4	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 465

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.5	9.5	9.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
GE 20000	10.4	10.4	10.4	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 18000	10.4	10.4	10.4	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 16000	10.4	10.4	10.4	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 14000	10.6	10.6	10.6	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 12000	10.9	10.9	10.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 10000	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
GE 9000	12.7	12.9	12.9	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 8000	14.7	14.9	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
GE 7000	15.8	16.1	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 6000	16.7	17.0	17.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 5000	16.7	17.0	17.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 4500	17.0	17.2	17.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 4000	18.6	18.8	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 3500	20.6	20.8	21.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 3000	27.1	27.6	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 2500	33.9	34.4	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 2000	47.3	48.0	48.9	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 1800	52.0	52.9	54.1	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 1500	62.0	64.5	67.4	67.9	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 1200	69.5	73.3	76.5	77.1	77.8	77.8	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1000	72.9	77.1	80.8	81.9	82.8	83.0	83.9	83.9	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 900	73.8	78.1	82.1	83.5	85.1	85.3	86.4	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 800	75.1	79.9	84.4	86.7	88.9	89.1	90.7	90.7	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	75.8	80.5	85.7	88.2	90.5	90.7	92.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 600	75.8	80.5	85.7	88.2	90.7	91.0	93.7	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 500	75.8	80.5	85.7	88.5	91.2	91.4	94.6	95.2	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 400	76.0	80.8	86.0	89.1	91.9	92.1	95.5	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 300	76.0	80.8	86.0	89.1	91.9	92.3	95.7	96.6	96.6	97.3	97.3	97.3	97.3	97.5	97.5	97.5
GE 200	76.0	80.8	86.0	89.1	92.1	92.8	96.2	97.1	97.1	98.0	98.0	98.0	98.0	98.6	98.6	98.6
GE 100	76.0	80.8	86.0	89.1	92.1	92.8	96.2	97.1	97.1	98.0	98.0	98.0	98.6	98.6	98.6	99.1
GE 000	76.0	80.8	86.0	89.1	92.1	93.0	96.4	97.3	97.3	98.2	98.4	98.4	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 442

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.9	12.1	12.1	12.2	12.3	12.3	12.3	12.3	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5
GE 20000	12.4	12.6	12.6	12.7	12.8	12.8	12.8	12.8	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0
GE 18000	12.4	12.6	12.6	12.7	12.8	12.8	12.8	12.8	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0
GE 16000	12.4	12.6	12.6	12.7	12.8	12.8	12.8	12.8	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0
GE 14000	12.8	12.9	13.0	13.0	13.1	13.1	13.1	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 12000	12.8	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 10000	14.3	14.5	14.6	14.6	14.7	14.7	14.7	14.7	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 9000	14.6	14.8	14.9	15.0	15.1	15.1	15.1	15.1	15.1	15.2	15.3	15.3	15.3	15.3	15.3	15.3
GE 8000	16.3	16.4	16.6	16.6	16.7	16.7	16.7	16.8	16.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 7000	17.2	17.4	17.6	17.6	17.7	17.7	17.7	17.8	17.8	17.9	18.0	18.0	18.0	18.0	18.0	18.0
GE 6000	19.0	19.2	19.3	19.4	19.5	19.5	19.5	19.5	19.6	19.7	19.8	19.8	19.8	19.8	19.8	19.8
GE 5000	19.9	20.1	20.3	20.4	20.5	20.5	20.5	20.5	20.5	20.7	20.7	20.7	20.8	20.8	20.8	20.8
GE 4500	20.2	20.5	20.7	20.7	20.8	20.8	20.8	20.9	20.9	21.1	21.1	21.1	21.2	21.2	21.2	21.2
GE 4000	23.1	23.3	23.6	23.6	23.7	23.7	23.7	23.8	23.8	23.9	24.0	24.0	24.1	24.1	24.1	24.1
GE 3500	24.9	25.2	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.9	25.9	25.9	26.0	26.0	26.0	26.0
GE 3000	32.0	32.4	32.7	32.8	32.9	32.9	32.9	33.0	33.0	33.2	33.2	33.2	33.3	33.3	33.3	33.3
GE 2500	41.0	41.4	41.8	41.9	42.0	42.0	42.1	42.1	42.2	42.4	42.4	42.4	42.5	42.5	42.5	42.5
GE 2000	52.1	53.1	53.8	54.3	54.6	54.6	54.7	54.8	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1
GE 1800	57.0	58.3	59.3	60.1	60.5	60.5	60.6	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0
GE 1500	65.5	67.7	70.2	71.6	72.4	72.4	72.6	72.7	72.7	73.2	73.2	73.2	73.3	73.3	73.3	73.3
GE 1200	70.3	73.6	77.3	79.6	80.8	80.8	81.3	81.4	81.4	82.0	82.0	82.0	82.1	82.1	82.1	82.1
GE 1000	72.7	76.4	80.9	83.9	85.7	85.8	86.6	86.9	87.0	87.6	87.6	87.6	87.7	87.7	87.7	87.7
GE 900	72.9	76.7	81.3	84.7	86.7	86.8	87.8	88.0	88.1	88.7	88.7	88.7	88.8	88.8	88.8	88.9
GE 800	74.0	77.9	82.9	87.1	89.6	89.7	91.1	91.4	91.4	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 700	74.2	78.2	83.4	87.7	90.3	90.4	91.9	92.1	92.2	92.9	93.0	93.0	93.1	93.1	93.1	93.1
GE 600	74.3	78.4	83.7	88.2	90.9	91.1	92.8	93.1	93.2	94.0	94.1	94.1	94.2	94.2	94.2	94.3
GE 500	74.4	78.5	84.0	88.8	91.7	91.9	93.7	94.2	94.2	95.2	95.2	95.2	95.4	95.4	95.4	95.5
GE 400	74.4	78.5	84.2	89.1	92.1	92.3	94.4	94.9	94.9	96.0	96.0	96.0	96.3	96.3	96.3	96.3
GE 300	74.5	78.5	84.2	89.3	92.5	92.6	94.9	95.4	95.5	96.6	96.7	96.7	97.0	97.0	97.0	97.1
GE 200	74.5	78.5	84.2	89.4	92.7	92.9	95.4	96.2	96.3	97.9	98.2	98.2	98.6	98.6	98.7	98.8
GE 100	74.5	78.5	84.2	89.4	92.7	92.9	95.5	96.3	96.4	98.3	98.6	98.6	99.3	99.3	99.4	99.6
GE 000	74.5	78.5	84.2	89.4	92.7	93.0	95.5	96.4	96.4	98.3	98.7	98.7	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4494



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 20000	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 18000	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 16000	23.1	23.1	23.1	23.1	23.1	23.1	2.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 14000	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 12000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 10000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 9000	25.3	25.3	25.3	25.3	25.3	2.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
GE 8000	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
GE 7000	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
GE 6000	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 5000	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 4500	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 4000	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 3500	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 3000	36.3	36.3	36.8	36.8	36.8	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 2500	50.5	50.5	51.6	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 2000	58.6	59.7	60.8	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 1800	64.0	65.1	66.1	67.5	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 1500	72.8	74.5	76.1	78.2	80.4	80.4	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1200	73.9	76.1	78.2	80.4	82.8	82.8	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1000	76.1	79.0	82.0	84.1	86.6	86.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 900	76.1	79.0	82.0	84.4	86.8	86.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 800	76.3	79.6	82.5	85.2	87.6	87.6	90.1	90.3	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 700	76.3	79.6	82.5	85.2	87.6	87.6	90.1	90.3	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 600	76.3	79.6	82.8	85.8	88.7	88.7	91.4	91.7	91.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	76.6	79.8	83.1	86.0	89.2	89.5	92.2	92.5	92.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 400	76.9	80.1	83.3	86.6	90.1	90.3	93.0	93.3	93.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 300	77.2	80.4	83.6	87.1	90.9	91.1	93.8	94.1	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 200	77.2	80.4	83.6	87.1	91.1	91.4	94.1	94.9	95.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	77.2	80.4	83.6	87.1	91.1	91.4	94.6	95.4	95.7	98.4	98.7	98.7	99.2	99.2	99.2	99.2
GE 000	77.2	80.4	83.6	87.1	91.1	91.4	94.6	95.4	95.7	98.4	98.9	98.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 20000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 18000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 16000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 14000	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 12000	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 10000	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 9000	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 8000	21.5	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 7000	21.5	21.5	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 6000	23.2	23.2	23.4	23.7	23.7	23.7	23.7	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 5000	23.2	23.2	23.4	23.7	23.7	23.7	23.7	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 4500	23.2	23.2	23.4	23.7	23.7	23.7	23.7	23.7	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 4000	23.9	23.9	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6
GE 3500	25.8	25.8	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 3000	32.9	32.9	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 2500	45.7	45.7	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 2000	60.6	62.1	64.0	64.5	64.7	64.7	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 1800	63.5	65.5	69.1	69.8	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 1500	69.6	72.5	77.3	78.7	79.5	79.5	79.5	79.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 1200	71.3	74.4	80.0	82.9	84.1	84.1	84.5	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1000	72.0	76.1	81.6	85.0	86.5	86.5	87.2	87.2	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 900	72.0	76.1	81.9	85.3	87.0	87.0	87.7	87.7	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 800	72.5	76.6	82.9	86.7	89.6	89.6	90.6	90.6	90.8	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 700	72.5	76.6	83.1	87.0	90.1	90.1	91.1	91.1	91.3	93.2	93.5	93.5	93.5	93.5	93.5	93.5
GE 600	72.5	76.8	83.3	87.2	90.3	90.3	91.5	91.5	91.8	93.7	94.0	94.0	94.0	94.0	94.0	94.0
GE 500	72.5	76.8	83.6	87.7	90.8	90.8	92.3	92.3	92.5	94.4	94.7	94.7	94.7	94.7	94.7	94.7
GE 400	72.5	76.8	84.1	88.2	91.5	91.5	93.0	93.0	93.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9
GE 300	72.5	76.8	84.1	88.4	91.8	91.8	93.2	93.5	93.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4
GE 200	72.5	76.8	84.1	88.4	92.0	92.0	93.5	94.0	94.2	96.9	97.1	97.1	97.1	97.1	97.1	97.1
GE 100	72.5	76.8	84.1	88.4	92.0	92.0	93.5	94.2	94.4	97.3	97.8	97.8	98.1	98.1	98.1	98.1
GE 000	72.5	76.8	84.1	88.4	92.0	92.0	93.5	94.2	94.4	97.3	97.8	97.8	98.6	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 414

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.2	11.2	11.2	11.2	11.6	11.6	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8
GE 20000	11.2	11.2	11.2	11.2	11.6	11.6	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8
GE 18000	11.6	11.6	11.6	11.6	11.9	11.9	11.9	11.9	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 16000	11.6	11.6	11.6	11.6	11.9	11.9	11.9	11.9	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 14000	11.8	11.8	11.8	11.8	12.1	12.1	12.1	12.1	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 12000	12.3	12.3	12.3	12.3	12.6	12.6	12.6	12.6	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 10000	14.0	14.0	14.0	14.0	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 9000	14.0	14.0	14.0	14.0	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 8000	16.8	17.1	17.1	17.1	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 7000	17.1	17.5	17.5	17.5	17.8	17.8	17.8	17.8	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 6000	19.2	19.7	19.7	19.7	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 5000	20.4	20.9	20.9	20.9	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 4500	20.9	21.5	21.5	21.5	21.8	21.8	21.8	21.8	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 4000	23.5	24.0	24.0	24.0	24.4	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.7	24.7	24.7	24.7
GE 3500	26.8	27.3	27.5	27.7	28.0	28.0	28.0	28.0	28.0	28.2	28.2	28.2	28.4	28.4	28.4	28.4
GE 3000	33.4	34.3	34.9	35.1	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.8	35.8	35.8	35.8
GE 2500	45.5	47.4	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8	49.0	49.0	49.0	49.0
GE 2000	56.9	59.7	61.2	61.6	61.9	61.9	62.1	62.1	62.1	62.3	62.3	62.3	62.6	62.6	62.6	62.6
GE 1800	59.9	62.8	64.9	66.4	66.8	66.8	67.0	67.0	67.0	67.1	67.1	67.1	67.5	67.5	67.5	67.5
GE 1500	64.7	67.8	71.5	73.2	74.0	74.2	74.7	74.7	74.7	74.9	74.9	74.9	75.3	75.3	75.3	75.3
GE 1200	66.6	70.2	74.7	76.8	78.2	78.4	78.9	79.2	79.2	79.4	79.4	79.4	79.8	79.8	79.8	79.8
GE 1000	67.6	71.8	77.0	79.6	81.1	81.3	82.0	82.4	82.4	82.5	82.7	82.7	83.0	83.0	83.0	83.0
GE 900	68.0	72.3	77.7	80.4	82.0	82.2	82.9	83.2	83.2	83.6	83.7	83.7	84.1	84.1	84.1	84.1
GE 800	68.3	73.0	78.4	81.3	82.9	83.0	83.7	84.1	84.1	84.6	84.9	84.9	85.3	85.3	85.3	85.3
GE 700	68.5	73.2	79.1	82.2	83.7	83.9	84.6	84.9	84.9	85.5	86.0	86.0	86.3	86.3	86.3	86.3
GE 600	69.0	73.7	79.8	82.9	84.4	84.6	85.3	85.8	85.8	86.3	86.9	86.9	87.2	87.2	87.2	87.2
GE 500	69.0	73.7	79.9	83.6	85.3	85.5	86.3	87.0	87.0	87.5	88.2	88.2	88.6	88.6	88.6	88.6
GE 400	69.4	74.2	80.6	84.4	87.0	87.2	88.1	88.8	88.8	89.4	90.1	90.1	90.7	90.7	90.7	90.7
GE 300	69.6	74.4	80.8	84.8	87.7	87.9	88.9	89.6	89.6	90.3	91.0	91.0	91.9	91.9	92.0	92.0
GE 200	69.6	74.4	80.8	85.3	88.6	88.8	90.3	91.2	91.3	92.7	93.6	93.6	95.0	95.0	95.2	95.2
GE 100	69.6	74.4	80.8	85.3	88.6	88.8	90.5	91.3	91.5	93.4	94.3	94.3	96.5	96.5	97.9	98.1
GE 000	69.6	74.4	80.8	85.3	88.6	88.8	90.5	91.3	91.5	93.4	94.6	94.6	97.4	97.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 578

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 09-11

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.0	14.0	14.2	14.2	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
GE 20000	14.4	14.4	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 18000	14.4	14.4	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 16000	14.4	14.4	14.5	14.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 14000	14.7	14.7	14.8	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 12000	15.2	15.2	15.3	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 10000	18.3	18.3	18.4	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 9000	18.6	18.6	18.8	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 8000	21.4	21.5	21.7	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 7000	21.9	22.0	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 6000	24.8	25.0	25.1	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 5000	27.2	27.4	27.6	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
GE 4500	27.6	27.7	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
GE 4000	30.8	31.0	31.3	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 3500	33.6	33.9	34.3	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 3000	42.7	43.1	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 2500	52.4	54.0	55.0	55.5	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 2000	60.5	63.3	65.1	65.6	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 1800	64.3	67.5	69.8	70.5	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1500	68.4	72.6	75.5	76.7	77.5	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1200	70.3	75.0	78.6	80.6	81.7	81.7	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1000	70.6	76.5	80.6	82.5	83.8	83.8	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 900	70.8	76.7	80.8	82.7	84.2	84.2	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 800	71.1	77.3	81.7	83.8	86.0	86.0	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 700	71.1	77.5	81.9	84.0	86.1	86.1	86.5	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3
GE 600	71.9	78.6	83.0	86.1	88.7	88.7	89.2	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 500	72.1	78.8	83.2	86.5	89.1	89.1	89.7	90.5	90.5	90.7	90.9	90.9	91.0	91.0	91.0	91.0
GE 400	72.4	79.1	83.7	87.1	90.0	90.0	90.7	91.5	91.5	91.7	91.8	91.8	92.0	92.0	92.0	92.0
GE 300	72.4	79.1	83.7	87.3	90.2	90.2	91.0	92.0	92.0	92.2	92.3	92.3	92.5	92.5	92.5	92.8
GE 200	72.6	79.3	83.8	87.8	91.5	91.8	93.5	94.6	94.6	95.3	95.4	95.4	95.6	95.6	95.6	95.9
GE 100	72.6	79.3	83.8	87.8	92.0	92.3	94.3	95.8	95.8	96.6	97.1	97.1	97.4	97.4	98.2	98.9
GE 000	72.6	79.3	83.8	87.8	92.0	92.3	94.3	95.8	95.8	96.6	97.2	97.2	97.6	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 613

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.4	14.4	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 20000	15.1	15.1	15.4	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 18000	15.7	15.7	16.0	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 16000	15.9	15.9	16.2	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 14000	16.2	16.2	16.5	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
GE 12000	16.7	16.7	17.0	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
GE 10000	20.8	20.8	21.1	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 9000	21.3	21.3	21.6	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 8000	22.9	22.9	23.2	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
GE 7000	24.2	24.2	24.5	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 6000	26.5	26.5	26.8	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
GE 5000	28.0	28.0	28.3	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
GE 4500	28.2	28.3	28.6	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 4000	33.6	33.7	34.0	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 3500	37.0	37.2	37.5	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 3000	44.8	45.0	45.5	46.0	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 2500	58.3	58.8	59.4	60.1	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 2000	69.7	71.4	72.7	73.8	74.0	74.0	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 1800	71.8	74.0	75.6	76.9	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 1500	76.4	78.6	80.5	82.5	83.1	83.1	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1200	78.2	80.4	82.8	85.4	86.4	86.4	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1000	78.6	80.9	83.5	86.4	87.6	87.6	87.9	87.9	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 900	78.6	80.9	83.5	86.4	87.6	87.6	87.9	87.9	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 800	78.6	81.0	84.9	88.2	89.4	89.4	90.2	90.2	90.2	90.8	90.8	90.8	91.0	91.0	91.0	91.0
GE 700	78.9	81.5	85.4	88.7	89.9	89.9	90.8	90.8	90.8	91.5	91.7	91.7	91.8	91.8	91.8	91.8
GE 600	79.7	82.5	86.7	90.0	91.3	91.3	92.5	92.5	92.5	93.1	93.3	93.3	93.5	93.5	93.5	93.5
GE 500	79.7	82.5	86.7	90.3	91.7	91.7	92.8	92.8	92.8	93.6	93.8	93.8	94.1	94.1	94.1	94.1
GE 400	79.7	82.7	87.2	91.5	92.8	92.8	94.1	94.1	94.1	94.9	95.1	95.1	95.4	95.4	95.4	95.4
GE 300	79.7	82.7	87.4	92.0	93.6	93.8	95.4	95.4	95.4	96.6	96.7	96.7	97.1	97.1	97.1	97.1
GE 200	79.7	82.7	87.4	92.1	93.9	94.1	96.1	96.4	96.4	98.2	98.5	98.5	98.9	98.9	98.9	98.9
GE 100	79.7	82.7	87.4	92.1	93.9	94.1	96.2	96.7	96.7	98.9	99.2	99.2	99.7	99.7	99.7	99.8
GE 000	79.7	82.7	87.4	92.1	93.9	94.1	96.2	96.7	96.7	98.9	99.2	99.2	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 611

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.1	16.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 20000	16.3	16.3	16.6	16.6	16.8	16.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 18000	16.8	16.8	17.2	17.2	17.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 16000	17.3	17.3	17.7	17.7	17.9	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 14000	17.7	17.7	18.0	18.0	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 12000	18.0	18.2	18.6	18.7	18.9	18.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 10000	20.7	20.8	21.2	21.4	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 9000	20.8	21.0	21.4	21.5	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 8000	22.6	22.8	23.1	23.3	23.6	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 7000	23.3	23.6	24.0	24.2	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 6000	25.6	25.9	26.3	26.4	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 5000	27.3	27.7	28.0	28.2	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 4500	27.3	27.7	28.0	28.2	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 4000	31.0	31.3	31.7	31.9	32.2	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 3500	35.2	35.6	35.9	36.1	36.4	36.4	36.6	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 3000	45.2	45.5	45.9	46.1	46.4	46.4	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 2500	60.2	60.9	61.3	61.5	61.8	61.8	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 2000	70.1	71.5	72.2	72.5	72.9	72.9	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 1800	73.0	75.0	75.7	76.5	77.2	77.2	77.8	77.8	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1500	78.1	81.1	82.7	83.7	84.8	84.8	85.6	85.6	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	79.7	82.8	85.1	86.5	87.6	87.6	88.4	88.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1000	80.6	84.1	86.7	88.4	89.7	89.7	90.7	90.7	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 900	80.6	84.1	86.7	88.4	89.7	89.7	90.9	90.9	90.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	80.7	84.9	87.9	89.8	91.2	91.2	92.6	92.6	92.6	93.5	93.7	93.7	93.7	93.7	93.7	93.7
GE 700	80.7	85.3	88.3	90.5	92.3	92.3	94.0	94.0	94.0	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 600	81.1	85.8	89.0	91.8	93.9	93.9	95.6	95.8	95.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	81.3	86.0	89.1	92.5	94.6	94.6	96.3	96.5	96.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	81.3	86.0	89.3	93.0	95.1	95.1	96.8	97.0	97.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	81.3	86.0	89.3	93.0	95.4	95.4	97.4	97.5	97.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	81.3	86.0	89.3	93.0	95.4	95.4	97.4	97.9	97.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	81.3	86.0	89.3	93.0	95.4	95.4	97.4	98.1	98.1	99.5	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	81.3	86.0	89.3	93.0	95.4	95.4	97.4	98.1	98.1	99.5	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 571

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.1	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 20000	18.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 18000	19.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 16000	19.9	20.2	20.4	20.4	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 14000	20.2	20.4	20.7	20.7	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 12000	21.9	22.2	22.4	22.4	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
GE 10000	24.4	24.7	24.9	24.9	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 9000	25.4	25.7	25.9	25.9	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
GE 8000	26.7	27.0	27.2	27.2	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
GE 7000	28.0	28.2	28.5	28.5	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
GE 6000	28.7	29.0	29.2	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 5000	29.2	29.5	29.7	29.7	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 4500	29.2	29.5	29.7	29.7	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 4000	30.2	30.5	30.7	30.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 3500	32.2	32.5	32.7	32.7	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 3000	42.1	42.3	42.6	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 2500	55.9	56.9	57.2	57.2	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 2000	68.3	69.8	70.8	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 1800	72.0	74.3	76.3	76.6	77.8	77.8	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1500	73.3	80.6	82.6	82.9	84.1	84.1	84.1	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	81.1	83.6	86.1	86.6	87.9	87.9	87.9	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1000	81.4	84.6	87.9	88.7	89.9	89.9	90.2	90.9	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	82.1	85.4	88.7	89.4	90.7	90.7	90.9	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 800	82.1	85.6	89.4	90.2	91.4	91.4	91.9	92.7	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 700	82.4	86.4	90.7	91.4	92.7	92.7	93.7	94.5	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	82.4	86.6	91.4	92.7	94.2	94.2	95.2	96.0	96.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	82.4	86.6	91.4	92.9	94.5	94.5	95.5	96.2	96.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	82.4	86.6	91.7	93.5	95.2	95.2	96.2	97.0	97.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	82.4	86.6	91.7	93.7	95.7	95.7	97.0	97.7	97.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	82.4	86.6	91.7	93.7	95.7	95.7	97.2	98.0	98.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	82.4	86.6	91.7	93.7	95.7	95.7	97.2	98.2	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 000	82.4	86.6	91.7	93.7	95.7	95.7	97.2	98.2	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 397

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 20000	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 18000	20.1	20.1	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 16000	20.1	20.1	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 14000	20.1	20.1	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 12000	21.4	21.4	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
GE 10000	22.5	22.5	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 9000	23.3	23.3	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 8000	24.1	24.1	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 7000	25.2	25.2	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 6000	26.8	26.8	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
GE 5000	27.6	27.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 4500	28.4	28.7	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
GE 4000	29.0	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 3500	29.8	30.0	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 3000	37.3	37.5	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 2500	49.9	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 2000	62.2	63.0	63.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 1800	65.4	66.5	68.1	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 1500	73.2	74.8	78.0	79.1	81.2	81.2	81.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1200	75.9	77.5	80.7	82.0	84.5	84.5	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1000	76.4	78.3	82.0	83.4	85.8	85.8	86.9	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 900	76.7	78.6	82.8	84.2	86.6	86.6	87.7	88.5	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 800	76.9	78.8	83.1	84.7	87.4	87.4	88.5	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	76.9	78.8	83.4	85.3	87.9	87.9	89.3	90.3	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 600	77.5	79.4	83.9	85.8	89.0	89.0	90.3	91.4	91.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	77.5	79.6	84.7	86.9	90.1	90.1	91.4	92.5	92.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 400	77.7	80.2	85.3	87.4	90.9	91.2	92.5	93.6	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 300	78.3	80.7	85.8	87.9	91.4	92.0	93.3	94.4	94.4	96.0	96.0	96.0	96.2	96.2	96.2	96.2
GE 200	78.3	80.7	85.8	87.9	91.7	92.5	94.1	95.7	95.7	97.6	97.6	97.6	97.9	97.9	97.9	97.9
GE 100	78.3	80.7	85.8	87.9	91.7	92.5	94.4	96.8	96.8	98.7	98.9	98.9	99.2	99.2	99.2	99.2
GE 000	78.3	80.7	85.8	87.9	91.7	92.5	94.4	97.1	97.1	98.9	99.2	99.2	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 373



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: AUG HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.1	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 20000	16.7	16.7	16.8	16.9	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 18000	17.1	17.1	17.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 16000	17.2	17.2	17.5	17.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 14000	17.4	17.4	17.7	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 12000	18.1	18.1	18.4	18.4	18.6	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 10000	20.3	20.4	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 9000	20.7	20.8	21.0	21.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 8000	22.3	22.4	22.7	22.8	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 7000	23.0	23.2	23.4	23.6	23.8	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 6000	25.0	25.1	25.4	25.5	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 5000	26.2	26.4	26.6	26.7	27.0	27.0	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 4500	26.5	26.7	27.0	27.1	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 4000	29.1	29.3	29.6	29.8	30.0	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1
GE 3500	31.8	32.1	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 3000	39.8	40.1	40.6	40.8	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 2500	52.7	53.5	54.2	54.4	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9
GE 2000	63.6	65.4	66.7	67.2	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9
GE 1800	66.9	69.1	70.9	71.9	72.4	72.4	72.6	72.6	72.6	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 1500	72.5	75.2	77.9	79.3	80.4	80.5	80.8	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1200	74.4	77.4	80.7	82.6	84.0	84.0	84.7	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1000	75.2	78.8	82.5	84.7	86.2	86.2	87.0	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 900	75.3	79.0	82.8	85.0	86.6	86.6	87.4	87.7	87.8	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 800	75.6	79.5	83.7	86.2	88.0	88.1	89.0	89.4	89.4	90.0	90.2	90.2	90.2	90.2	90.2	90.2
GE 700	75.7	79.7	84.2	86.7	88.6	88.7	89.8	90.2	90.2	91.0	91.2	91.2	91.3	91.3	91.3	91.3
GE 600	76.1	80.3	84.9	87.8	90.0	90.0	91.2	91.7	91.7	92.6	92.8	92.8	92.9	92.9	92.9	92.9
GE 500	76.2	80.4	85.1	88.3	90.6	90.6	91.9	92.4	92.4	93.4	93.6	93.6	93.7	93.7	93.7	93.7
GE 400	76.3	80.7	85.6	89.0	91.5	91.6	92.9	93.4	93.4	94.5	94.7	94.7	94.9	94.9	94.9	94.9
GE 300	76.4	80.8	85.7	89.3	92.0	92.2	93.6	94.1	94.2	95.3	95.5	95.5	95.8	95.8	95.8	95.9
GE 200	76.5	80.8	85.7	89.5	92.5	92.7	94.5	95.3	95.3	96.9	97.2	97.2	97.5	97.5	97.5	97.6
GE 100	76.5	80.8	85.7	89.5	92.6	92.8	94.7	95.7	95.8	97.6	98.0	98.0	98.7	98.7	99.0	99.1
GE 000	76.5	80.8	85.7	89.5	92.6	92.8	94.7	95.8	95.9	97.6	98.2	98.2	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 20000	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 18000	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 16000	13.6	13.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
GE 14000	13.9	13.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 12000	14.5	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 10000	14.5	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 9000	14.5	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 8000	15.6	15.6	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
GE 7000	15.9	15.9	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 6000	17.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 5000	17.5	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 4500	17.5	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 4000	18.7	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 3500	20.9	20.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 3000	29.2	29.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
GE 2500	46.2	46.2	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 2000	62.4	63.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 1800	66.3	68.0	70.2	70.8	70.8	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1500	72.7	74.7	79.4	80.2	81.3	81.3	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1200	74.7	76.6	81.9	83.3	85.2	85.2	87.5	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1000	74.9	77.2	82.5	83.8	85.8	86.1	88.3	88.6	88.6	89.1	89.1	89.1	89.4	89.4	89.4	89.4
GE 900	74.9	77.2	82.5	83.8	85.8	86.4	88.6	88.9	88.9	89.4	89.4	89.4	89.7	89.7	89.7	89.7
GE 800	74.9	77.2	82.5	83.8	86.6	87.2	89.7	90.0	90.0	91.1	91.1	91.1	91.9	91.9	91.9	91.9
GE 700	74.9	77.2	82.5	83.8	86.6	87.2	89.7	90.0	90.0	91.1	91.1	91.1	92.2	92.2	92.2	92.2
GE 600	74.9	77.2	82.5	84.1	87.7	88.3	90.8	91.1	91.1	92.2	92.2	92.2	93.3	93.3	93.3	93.3
GE 500	74.9	77.2	82.5	84.1	87.7	88.6	92.2	92.5	92.5	93.6	93.6	93.6	95.5	95.5	95.5	95.5
GE 400	74.9	77.2	82.5	84.1	87.7	88.6	92.5	92.8	92.8	93.9	94.2	94.2	96.1	96.1	96.1	96.1
GE 300	74.9	77.2	82.5	84.1	88.0	88.9	93.0	94.2	94.2	95.3	95.5	95.5	97.5	97.5	97.5	97.5
GE 200	74.9	77.2	82.5	84.1	88.0	88.9	93.3	94.7	94.7	96.1	96.4	96.4	98.6	98.6	98.6	98.6
GE 100	74.9	77.2	82.5	84.1	88.0	88.9	93.3	94.7	94.7	96.4	96.7	96.7	99.4	99.4	99.4	99.4
GE 000	74.9	77.2	82.5	84.1	88.0	88.9	93.3	94.7	94.7	96.4	97.2	97.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 359

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 20000	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 18000	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 16000	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 14000	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 12000	11.8	12.0	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 10000	12.0	12.3	12.5	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 9000	12.0	12.3	12.5	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 8000	12.0	12.3	12.5	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 7000	12.0	12.3	12.5	12.5	12.8	12.8	12.3	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
GE 6000	12.8	13.0	13.3	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
GE 5000	14.5	14.7	15.0	15.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4500	14.5	14.7	15.0	15.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 4000	14.7	15.0	15.2	15.2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 3500	16.2	16.5	16.7	16.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 3000	25.3	25.6	25.8	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
GE 2500	44.0	44.7	45.0	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 2000	60.2	61.4	63.1	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 1800	64.9	66.1	68.8	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 1500	69.5	71.7	77.4	79.6	81.8	81.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1200	71.0	73.5	80.3	83.3	85.7	85.7	87.5	87.5	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	71.5	74.4	81.8	85.3	88.5	88.5	90.4	90.4	90.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 900	71.5	74.4	81.8	85.3	88.5	88.5	90.4	90.4	90.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 800	71.5	74.4	82.1	85.5	89.2	89.4	91.4	91.4	91.4	92.9	92.9	92.9	93.4	93.4	93.4	93.4
GE 700	71.5	74.4	82.1	85.5	89.2	89.4	91.6	91.6	91.6	93.1	93.1	93.1	93.6	93.6	93.6	93.6
GE 600	71.5	74.4	82.3	85.7	89.7	89.9	92.9	92.9	92.9	94.6	94.6	94.6	95.1	95.1	95.1	95.1
GE 500	71.5	74.7	82.8	86.2	90.2	90.9	93.9	94.1	94.1	96.1	96.1	96.1	97.3	97.3	97.3	97.3
GE 400	71.5	74.7	82.8	86.2	90.4	91.2	94.3	94.6	94.6	96.8	97.1	97.1	98.3	98.3	98.5	98.5
GE 300	71.5	74.7	82.8	86.2	90.4	91.2	94.3	94.8	94.8	97.3	97.5	97.5	98.8	98.8	99.0	99.0
GE 200	71.5	74.7	82.8	86.2	90.4	91.2	94.3	94.8	94.8	97.5	98.0	98.0	99.3	99.3	99.5	99.5
GE 100	71.5	74.7	82.8	86.2	90.4	91.2	94.3	94.8	94.8	97.5	98.0	98.0	99.8	99.8	100.0	100.0
GE 000	71.5	74.7	82.8	86.2	90.4	91.2	94.3	94.8	94.8	97.5	98.0	98.0	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 407

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 20000	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 18000	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 16000	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 14000	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 12000	9.7	9.7	9.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.4	10.4	10.4
GE 10000	10.0	10.2	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.9	10.9	10.9	10.9
GE 9000	10.0	10.2	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.9	10.9	10.9	10.9
GE 8000	11.1	11.2	11.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.9	11.9	11.9	11.9
GE 7000	12.1	12.3	12.4	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.0	13.0	13.0	13.0
GE 6000	13.5	13.6	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.3	14.3	14.3	14.3
GE 5000	14.5	14.7	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.4	15.4	15.4	15.4
GE 4500	14.9	15.0	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.7	15.7	15.7	15.7
GE 4000	18.1	18.3	18.5	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	19.0	19.0	19.0	19.0
GE 3500	20.9	21.2	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.9	21.9	21.9	21.9
GE 3000	32.8	33.3	33.9	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.5	34.5	34.5	34.5
GE 2500	46.5	47.7	49.1	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.7	49.7	49.7	49.7
GE 2000	63.2	65.3	67.5	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.4	69.4	69.4	69.4
GE 1800	67.5	70.1	73.1	74.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.6	75.6	75.6	75.6
GE 1500	71.3	75.6	79.4	81.9	83.9	83.9	85.0	85.1	85.1	85.1	85.1	85.1	85.7	85.7	85.7	85.7
GE 1200	72.5	77.0	81.3	84.5	86.9	86.9	88.3	88.4	88.4	89.1	89.1	89.1	89.6	89.6	89.6	89.6
GE 1000	73.2	77.9	82.2	86.2	89.1	89.5	91.0	91.4	91.4	92.6	92.6	92.6	93.1	93.1	93.3	93.3
GE 900	73.2	78.1	82.4	86.5	89.5	89.8	91.7	92.1	92.1	93.3	93.3	93.3	93.8	93.8	94.0	94.0
GE 800	73.4	78.8	83.1	87.4	91.2	91.5	938	94.1	94.1	95.3	95.3	95.3	95.9	95.9	96.0	96.0
GE 700	73.4	78.8	83.2	87.7	91.5	91.9	94.3	94.6	94.6	95.9	95.9	95.9	96.4	96.4	96.5	96.5
GE 600	73.4	78.8	83.2	87.7	91.7	92.2	94.8	95.2	95.2	96.5	96.5	96.5	97.1	97.1	97.2	97.2
GE 500	73.4	78.8	83.2	87.7	91.9	92.4	95.0	95.3	95.3	97.1	97.2	97.2	97.9	97.9	98.3	98.3
GE 400	73.4	78.8	83.2	87.7	92.1	92.6	95.2	95.5	95.5	97.2	97.4	97.4	98.1	98.1	98.8	98.8
GE 300	73.4	78.8	83.2	87.7	92.1	92.6	95.3	95.9	95.9	97.8	97.9	97.9	98.6	98.6	99.3	99.3
GE 200	73.4	78.8	83.2	87.7	92.1	92.6	95.5	96.0	96.0	98.1	98.3	98.3	99.0	99.0	99.7	99.7
GE 100	73.4	78.8	83.2	87.7	92.1	92.6	95.5	96.0	96.0	98.1	98.4	98.4	99.3	99.3	100.0	100.0
GE 000	73.4	78.8	83.2	87.7	92.1	92.6	95.5	96.0	96.0	98.1	98.4	98.4	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 579

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
GE 20000	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
GE 18000	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
GE 16000	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
GE 14000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
GE 12000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
GE 10000	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
GE 9000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
GE 8000	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
GE 7000	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
GE 6000	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
GE 5000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 4500	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 4000	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 3500	29.2	29.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
GE 3000	42.6	42.8	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 2500	56.6	57.0	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 2000	71.3	72.6	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 1800	74.3	75.8	77.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1500	78.8	80.9	84.2	86.7	88.1	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	81.1	83.4	86.7	90.0	92.2	92.4	93.2	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	81.6	83.9	87.4	90.9	93.2	93.5	94.5	94.9	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	81.6	83.9	87.4	90.9	93.2	93.5	94.5	94.9	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	82.1	84.6	88.2	91.9	94.2	94.5	95.7	96.0	96.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2
GE 700	82.1	84.7	88.4	92.0	94.4	94.7	95.9	96.2	96.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 600	82.1	84.7	88.6	92.2	94.5	94.9	96.0	96.5	96.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7
GE 500	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 400	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 300	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 200	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.2	99.3	99.3	99.5	99.5	99.5	99.5
GE 100	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.2	99.3	99.3	100.0	100.0	100.0	100.0
GE 000	82.1	84.9	88.7	92.5	94.9	95.2	96.4	96.8	96.8	99.2	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 603

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
GE 20000	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
GE 18000	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
GE 16000	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
GE 14000	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
GE 12000	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
GE 10000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 9000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 8000	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 7000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
GE 6000	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 5000	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 4500	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
GE 4000	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 3500	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 3000	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 2500	56.9	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 2000	71.9	73.3	74.8	75.5	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 1800	75.3	77.2	79.9	81.1	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1500	79.0	81.4	85.2	87.1	87.4	87.4	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1200	79.9	83.0	87.2	89.4	91.3	91.3	92.7	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	80.6	83.6	87.9	90.6	93.0	93.0	94.9	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	80.6	83.6	87.9	90.6	93.2	93.2	95.1	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	80.6	83.6	88.1	90.8	93.7	93.7	95.7	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	80.6	83.6	88.4	91.1	94.0	94.0	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	80.6	83.6	88.4	91.1	94.0	94.2	96.4	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	80.6	83.6	88.6	91.5	94.4	94.5	96.9	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	80.6	83.6	88.6	91.5	94.4	94.5	96.9	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	80.6	83.6	88.6	91.7	94.5	95.1	97.4	98.8	98.8	99.3	99.3	99.3	99.5	99.5	99.5	99.5
GE 200	80.6	83.6	88.6	91.7	94.5	95.1	97.6	99.0	99.0	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 100	80.6	83.6	88.6	91.7	94.5	95.1	97.6	99.0	99.0	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 000	80.6	83.6	88.6	91.7	94.5	95.1	97.6	99.0	99.0	99.5	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 587

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.8	11.8	11.9	12.1	12.1	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
GE 20000	11.9	11.9	12.1	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 18000	11.9	11.9	12.1	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 16000	11.9	11.9	12.1	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 14000	11.9	11.9	12.1	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 12000	11.9	11.9	12.1	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 10000	12.5	12.5	12.7	12.8	12.8	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
GE 9000	12.7	12.7	12.8	13.0	13.0	13.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
GE 8000	13.6	13.6	13.7	13.9	13.9	13.9	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
GE 7000	14.8	14.8	15.0	15.2	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
GE 6000	17.0	17.4	17.5	17.7	17.7	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 5000	18.1	18.4	18.6	18.8	18.8	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 4500	18.4	18.8	19.0	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 4000	24.2	24.6	24.8	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
GE 3500	28.9	29.3	29.8	30.0	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 3000	38.0	38.3	39.1	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 2500	53.9	54.6	55.5	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 2000	70.7	72.0	74.3	74.7	75.0	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 1800	72.9	74.5	77.8	78.1	78.8	78.8	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1500	76.9	78.8	83.9	85.9	87.5	87.5	89.2	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	77.9	80.5	85.9	88.1	90.2	90.2	92.4	92.8	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	78.5	81.0	86.6	89.0	91.3	91.3	93.5	93.9	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	78.5	81.0	86.6	89.0	91.3	91.3	93.5	93.9	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	78.7	81.2	87.0	89.3	92.2	92.4	94.6	94.9	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	78.7	81.2	87.0	89.5	92.4	92.6	94.8	95.1	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	78.7	81.2	87.0	89.5	92.6	92.8	94.9	95.3	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 500	78.7	81.4	87.5	90.6	93.7	93.9	96.2	96.6	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	78.7	81.4	87.5	90.6	93.7	93.9	96.2	96.6	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	78.7	81.4	87.5	90.6	93.7	94.0	96.4	96.9	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	78.7	81.4	87.5	90.6	93.7	94.0	96.6	97.3	97.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	78.7	81.4	87.5	90.6	93.7	94.0	96.6	97.5	97.8	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	78.7	81.4	87.5	90.6	93.7	94.0	96.6	97.5	97.8	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 553

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
GE 20000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 18000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 16000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
GE 14000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 12000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
GE 10000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 9000	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 8000	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
GE 7000	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
GE 6000	14.6	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 5000	14.9	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 4500	14.9	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
GE 4000	16.7	17.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 3500	18.0	18.8	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 3000	28.1	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
GE 2500	42.2	43.5	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 2000	57.8	60.2	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 1800	61.8	64.7	68.2	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 1500	69.5	72.7	77.5	79.6	80.9	80.9	83.0	83.3	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8
GE 1200	71.4	74.5	81.2	84.1	85.7	85.7	88.1	88.3	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9
GE 1000	72.1	75.3	82.8	85.7	87.3	87.3	89.7	89.9	89.9	90.2	90.5	90.5	90.5	90.5	90.5	90.5
GE 900	72.1	75.3	82.8	85.7	87.5	87.5	90.2	90.5	90.5	90.7	91.0	91.0	91.0	91.0	91.0	91.0
GE 800	72.1	75.3	82.8	85.9	88.1	88.1	91.0	91.2	91.2	91.8	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	72.1	75.3	82.8	85.9	88.3	88.3	91.2	91.5	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	72.1	75.3	82.8	86.7	89.1	89.1	92.8	93.1	93.1	93.6	94.4	94.4	94.4	94.4	94.4	94.4
GE 500	72.1	75.3	82.8	87.3	89.9	89.9	94.2	94.4	94.4	95.0	95.8	95.8	95.8	95.8	95.8	95.8
GE 400	72.1	75.3	82.8	87.3	89.9	89.9	94.2	94.4	94.4	95.2	96.0	96.0	96.0	96.0	96.0	96.0
GE 300	72.1	75.3	82.8	87.8	90.5	90.5	95.0	95.2	95.2	96.3	97.1	97.1	97.1	97.1	97.1	97.1
GE 200	72.1	75.3	82.8	87.8	91.0	91.2	96.0	96.3	96.3	97.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	72.1	75.3	82.8	87.8	91.0	91.5	96.3	96.6	96.6	98.4	99.5	99.5	99.7	99.7	99.7	99.7
GE 000	72.1	75.3	82.8	87.8	91.0	91.5	96.3	96.6	96.6	98.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 377



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GF 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 20000	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 18000	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 16000	10.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 14000	11.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 12000	11.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
GE 10000	11.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 9000	11.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
GE 8000	13.1	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
GE 7000	14.4	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
GE 6000	15.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 5000	15.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 4500	15.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 4000	16.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 3500	16.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 3000	29.2	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 2500	43.3	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 2000	61.1	62.8	64.4	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 1800	65.8	67.8	70.8	71.4	71.9	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 1500	71.1	73.6	78.3	80.6	81.4	81.4	84.2	84.2	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7
GE 1200	74.4	76.9	82.8	85.3	86.1	86.1	89.2	89.2	89.2	89.4	90.0	90.0	90.0	90.0	90.0	90.0
GE 1000	74.7	77.2	83.3	85.8	86.7	86.7	89.7	89.7	89.7	90.3	90.8	90.8	91.1	91.1	91.1	91.1
GE 900	74.7	77.2	83.3	85.8	86.7	86.7	89.7	89.7	89.7	90.3	90.8	90.8	91.1	91.1	91.1	91.1
GE 800	74.7	77.2	83.3	86.1	86.9	86.9	90.0	90.0	90.0	90.8	91.4	91.4	91.9	91.9	91.9	91.9
GE 700	74.7	77.2	83.3	86.4	87.2	87.5	90.8	90.8	90.8	91.7	92.2	92.2	92.8	92.8	92.8	92.8
GE 600	74.7	77.2	83.3	86.4	87.2	87.5	90.8	90.8	90.8	91.7	92.2	92.2	92.8	92.8	92.8	92.8
GE 500	74.7	77.2	83.3	86.9	87.8	88.1	91.7	91.7	91.7	92.8	93.3	93.3	94.2	94.2	94.2	94.2
GE 400	74.7	77.2	83.3	87.5	88.3	88.6	92.5	92.8	92.8	93.9	94.4	94.4	95.3	95.3	95.3	95.3
GE 300	74.7	77.2	83.6	87.8	88.6	88.9	92.8	93.3	93.3	95.6	96.1	96.1	96.9	96.9	96.9	96.9
GE 200	74.7	77.2	83.6	87.8	88.6	88.9	92.8	93.6	93.9	96.4	96.9	96.9	97.8	97.8	97.8	97.8
GE 100	74.7	77.2	83.6	87.8	88.6	88.9	92.8	93.6	93.9	96.4	97.2	97.2	99.2	99.2	99.2	99.2
GE 000	74.7	77.2	83.6	87.8	88.6	88.9	92.8	93.6	93.9	96.4	97.2	97.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 360

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.3	10.4	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
GE 20000	10.4	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 18000	10.4	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 16000	10.4	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
GE 14000	10.7	10.7	10.8	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
GE 12000	10.8	10.8	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1
GE 10000	11.6	11.6	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9
GE 9000	11.7	11.8	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
GE 8000	13.0	13.1	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.4
GE 7000	14.2	14.2	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 6000	15.6	15.7	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 5000	17.1	17.3	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6
GE 4500	17.4	17.5	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 4000	21.6	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 3500	24.4	24.7	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 3000	35.1	35.5	35.9	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 2500	49.7	50.5	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6
GE 2000	65.8	67.3	69.1	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1
GE 1800	69.4	71.3	74.1	75.1	75.6	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 1500	74.2	76.8	81.2	83.3	84.6	84.7	86.0	86.2	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5
GE 1200	75.9	78.8	83.8	86.4	88.4	88.4	90.2	90.5	90.5	91.0	91.1	91.1	91.2	91.2	91.2	91.2
GE 1000	76.4	79.4	84.7	87.6	89.9	90.0	91.9	92.3	92.3	93.0	93.1	93.1	93.2	93.2	93.3	93.3
GE 900	76.4	79.5	84.7	87.7	90.0	90.1	92.2	92.5	92.5	93.3	93.3	93.3	93.5	93.5	93.5	93.5
GE 800	76.6	79.7	85.0	88.1	90.8	91.1	93.2	93.5	93.6	94.4	94.5	94.5	94.8	94.8	94.8	94.8
GE 700	76.6	79.7	85.2	88.3	91.1	91.3	93.5	93.9	93.9	94.7	94.8	94.8	95.1	95.1	95.2	95.2
GE 600	76.6	79.7	85.2	88.4	91.4	91.7	94.1	94.5	94.5	95.4	95.5	95.5	95.8	95.8	95.9	95.9
GE 500	76.6	79.8	85.4	88.9	91.8	92.2	94.9	95.3	95.3	96.5	96.7	96.7	97.2	97.2	97.3	97.3
GE 400	76.6	79.8	85.4	88.9	91.9	92.3	95.1	95.5	95.6	96.9	97.1	97.1	97.6	97.6	97.8	97.8
GE 300	76.6	79.8	85.4	89.0	92.1	92.5	95.4	96.1	96.1	97.6	97.9	97.9	98.4	98.4	98.5	98.5
GE 200	76.6	79.8	85.4	89.0	92.1	92.6	95.6	96.3	96.4	98.2	98.5	98.5	99.1	99.1	99.2	99.2
GE 100	76.6	79.8	85.4	89.0	92.1	92.6	95.6	96.4	96.5	98.4	98.7	98.7	99.7	99.7	99.8	99.8
GE 000	76.6	79.8	85.4	89.0	92.1	92.6	95.6	96.4	96.5	98.4	98.8	98.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3825

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 20000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 18000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 16000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 14000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 12000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 10000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 9000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 8000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 7000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 6000	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 5000	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 4500	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 4000	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 3500	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 3000	29.3	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 2500	44.6	46.0	46.9	47.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 2000	70.4	76.2	81.2	83.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1800	73.9	81.2	87.1	90.3	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	76.0	83.9	90.0	94.1	96.2	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	76.5	84.8	91.2	95.3	97.4	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	76.5	84.8	91.2	95.3	97.4	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	76.5	84.8	91.2	95.3	97.4	97.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 400	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	76.8	85.0	91.5	95.6	97.9	97.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 341

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 20000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 18000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 16000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 14000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 12000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 10000	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 9000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 8000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 7000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 6000	20.4	20.6	21.1	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 5000	20.6	20.9	21.4	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 4500	21.1	21.4	22.2	22.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 4000	22.2	22.7	23.5	23.5	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 3500	25.1	25.6	26.4	26.4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 3000	29.2	29.8	30.8	30.8	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 2500	45.7	47.8	50.7	51.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 2000	66.6	71.0	78.3	80.7	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1800	67.6	73.6	82.8	85.9	88.8	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1500	70.5	77.0	88.0	92.7	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	71.0	77.5	88.5	93.7	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	71.3	77.8	89.0	94.3	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	71.3	77.8	89.0	94.3	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	71.3	77.8	89.0	94.3	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	71.3	77.8	89.0	94.3	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	71.3	77.8	89.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.7	99.7	99.7
GE 500	71.3	77.8	89.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.7	99.7	99.7	99.7
GE 400	71.5	78.1	89.3	94.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 300	71.5	78.1	89.3	94.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 200	71.5	78.1	89.3	94.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 100	71.5	78.1	89.3	94.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 000	71.5	78.1	89.3	94.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 383

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 20000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 18000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 16000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 14000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 12000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 10000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 9000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 8000	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 7000	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 6000	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 5000	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
GE 4500	22.4	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 4000	28.9	29.4	29.7	29.9	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 3500	30.3	30.8	31.2	31.4	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 3000	37.6	38.2	39.2	39.4	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 2500	52.7	54.3	56.5	56.8	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 2000	71.9	76.0	81.2	82.3	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1800	74.0	79.6	85.8	87.5	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1500	75.6	81.7	89.4	92.1	94.8	94.8	95.9	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	76.3	82.4	90.1	93.5	96.4	96.4	97.8	97.8	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	76.3	82.4	90.5	93.9	96.8	96.8	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	76.3	82.4	90.5	93.9	97.0	97.0	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	76.5	82.6	90.7	94.1	97.1	97.1	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	76.5	82.6	90.7	94.1	97.1	97.1	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	76.5	82.6	90.7	94.1	97.1	97.1	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	76.5	82.6	90.7	94.1	97.3	97.3	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	76.5	82.6	90.7	94.1	97.3	97.3	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	76.5	82.6	90.7	94.1	97.3	97.3	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	76.5	82.6	90.7	94.1	97.3	97.3	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	76.5	82.6	90.7	94.1	97.3	97.3	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	76.5	82.6	90.7	94.1	97.3	97.3	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 558

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
GE 20000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 18000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 16000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 14000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 12000	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 10000	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
GE 9000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 8000	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 7000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 6000	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
GE 5000	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 4500	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 4000	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 3500	32.8	32.8	32.8	32.8	32.8	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 3000	42.9	43.2	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 2500	61.5	63.1	64.5	65.2	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 2000	75.7	78.1	81.2	82.7	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1800	77.9	81.1	85.8	88.1	89.4	89.4	89.6	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	79.4	83.4	89.4	92.8	95.0	95.0	95.3	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	79.9	84.6	91.1	94.6	96.8	96.8	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	79.9	84.6	91.3	94.8	97.3	97.3	97.7	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	79.9	84.8	91.5	95.0	97.5	97.5	97.8	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	80.1	84.9	91.6	95.1	97.8	97.8	98.2	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	80.1	84.9	91.6	95.3	98.0	98.0	98.3	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	80.1	84.9	91.6	95.3	98.2	98.2	98.5	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	80.1	84.9	91.6	95.3	98.2	98.2	98.7	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	80.1	84.9	91.6	95.3	98.2	98.2	98.7	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	80.1	84.9	91.8	95.5	98.3	98.3	98.8	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	80.1	84.9	91.8	95.5	98.3	98.3	98.8	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	80.1	84.9	91.8	95.5	98.3	98.3	98.8	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.1	84.9	91.8	95.5	98.3	98.3	98.8	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 597

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 20000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 18000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 16000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 14000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 12000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 10000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 9000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
GE 7000	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 6000	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
GE 5000	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 4500	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
GE 4000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 3500	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 3000	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 2500	66.2	66.7	68.6	68.6	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 2000	77.4	79.3	83.1	84.5	85.2	85.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	78.4	80.7	85.5	87.9	89.0	89.0	89.3	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0
GE 1500	79.3	82.6	89.1	91.9	94.1	94.1	95.3	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	80.5	83.8	90.3	93.3	95.5	95.5	96.7	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	80.7	84.1	90.9	94.1	96.4	96.4	97.6	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	80.7	84.1	90.9	94.1	96.4	96.4	97.6	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	80.7	84.1	90.9	94.5	96.7	96.7	97.9	98.4	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	80.7	84.1	91.0	94.7	96.9	96.9	98.1	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	80.7	84.3	91.2	95.2	97.4	97.4	98.6	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	80.7	84.3	91.2	95.2	97.4	97.4	98.6	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	80.7	84.3	91.2	95.2	97.4	97.4	98.6	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	80.7	84.3	91.2	95.2	97.8	97.8	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	80.7	84.3	91.2	95.2	97.8	97.8	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	80.7	84.3	91.2	95.2	97.8	97.8	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.7	84.3	91.2	95.2	97.8	97.8	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 580

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILE															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
GE 20000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 18000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 16000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 14000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 12000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 10000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
GE 9000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 8000	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
GE 7000	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 6000	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
GE 5000	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 4500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
GE 4000	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
GE 3500	28.9	29.0	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
GE 3000	40.3	41.2	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 2500	60.8	63.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 2000	76.0	79.5	82.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1800	76.2	80.6	84.9	86.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	77.9	82.6	87.8	90.6	92.4	92.4	94.0	94.2	94.2	94.6	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	78.6	83.7	89.3	92.2	94.4	94.4	96.0	96.2	96.2	96.7	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	78.6	83.8	89.5	92.6	95.6	95.6	97.3	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	78.6	84.0	89.7	92.7	95.8	95.8	97.5	97.6	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	78.6	84.0	90.0	93.6	96.7	96.7	98.4	98.5	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	78.6	84.0	90.0	93.6	96.7	96.7	98.7	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.6	84.0	90.0	93.6	96.7	96.7	98.9	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 551



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
GE 20000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 18000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 16000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 14000	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
GE 12000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 10000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 9000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 8000	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
GE 7000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
GE 6000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
GE 5000	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
GE 4500	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
GE 4000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 3500	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 3000	27.6	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 2500	49.3	50.7	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 2000	67.2	71.5	73.5	75.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1800	68.1	72.4	74.9	78.1	81.2	81.2	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1500	71.2	76.1	80.3	84.6	88.6	88.6	89.2	90.6	90.6	91.2	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	72.4	77.8	82.6	87.2	91.2	91.2	91.7	93.2	93.2	94.6	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	72.6	78.1	83.2	88.3	92.9	92.9	93.4	94.9	94.9	96.3	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	72.6	78.1	83.5	88.6	93.2	93.2	93.7	95.2	95.2	96.6	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	72.9	78.3	84.6	90.0	94.6	94.6	95.2	96.6	96.6	98.3	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	72.9	78.3	84.6	90.3	95.2	95.2	95.7	97.2	97.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	72.9	78.3	84.6	90.3	95.2	95.2	95.7	97.2	97.2	98.9	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.9	78.3	84.6	90.6	95.4	95.4	96.0	97.4	97.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 351

OPERATING LOCATION "A"  
 USAFIELD, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: Z04220

STATION NAME: DUTCH HARBOR/UNALASKA AK  
 EST. TO DATE: 0/0

PERIOD OF RECORD: MAY 45 MAR 90  
 MONTH: OCT HOURS: 21 23

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 20000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 18000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 16000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 14000	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
GE 12000	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 10000	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 9000	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 8000	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 7000	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 6000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 5000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 4500	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 4000	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 3500	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 3000	30.1	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 2500	46.6	47.8	49.0	49.9	50.1	50.1	50.1	50.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 2000	63.7	75.5	77.0	79.4	80.2	80.2	80.2	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1800	72.0	77.5	82.0	84.7	86.1	86.1	86.1	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1500	75.5	79.6	85.8	90.6	92.0	92.0	92.5	93.5	93.5	95.0	95.5	95.5	95.6	95.6	95.6	95.6
GE 1200	76.6	80.8	87.5	92.0	93.5	93.5	93.8	95.0	95.0	96.5	96.8	96.8	97.1	97.1	97.1	97.1
GE 1000	76.6	80.8	87.5	92.0	93.8	93.8	94.1	95.5	95.5	96.8	97.1	97.1	97.5	97.5	97.5	97.5
GE 900	76.6	80.8	87.5	92.0	93.8	93.8	94.4	95.6	95.6	97.1	97.5	97.5	97.6	97.6	97.6	97.6
GE 800	76.6	80.8	88.2	93.2	95.5	95.5	96.2	97.6	97.6	99.1	99.4	99.4	99.7	99.7	99.7	99.7
GE 700	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 600	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 500	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 400	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	76.6	80.8	88.2	93.5	95.6	95.6	96.5	97.9	97.9	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 339

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 20000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 18000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 16000	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
GE 14000	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
GE 12000	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
GE 10000	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
GE 9000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 8000	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 7000	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 6000	20.3	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 5000	21.6	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
GE 4500	22.1	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 4000	26.4	26.6	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 3500	28.7	28.9	29.0	29.0	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 3000	37.4	37.8	38.2	38.3	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 2500	55.1	56.6	58.3	58.7	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 2000	72.6	76.2	80.3	82.0	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1800	74.2	78.8	84.1	86.4	88.1	88.1	88.5	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
GE 1500	76.0	81.2	87.9	91.4	93.9	93.9	94.8	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	76.8	82.3	89.2	92.9	95.5	95.5	96.5	96.9	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	76.9	82.4	89.5	93.4	96.2	96.2	97.2	97.7	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	76.9	82.5	89.5	93.4	96.3	96.3	97.4	97.8	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6
GE 800	77.0	82.6	89.9	93.9	96.9	96.9	98.0	98.5	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	77.0	82.6	89.9	94.1	97.1	97.1	98.2	98.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	77.0	82.6	89.9	94.1	97.2	97.2	98.4	98.9	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	77.0	82.6	89.9	94.2	97.2	97.2	98.5	99.0	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	77.1	82.6	89.9	94.2	97.2	97.2	98.5	99.0	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	77.1	82.6	90.0	94.2	97.3	97.3	98.6	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	77.1	82.6	90.0	94.2	97.3	97.3	98.6	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	77.1	82.6	90.0	94.2	97.3	97.3	98.6	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	77.1	82.6	90.0	94.2	97.3	97.3	98.6	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3700

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 20000	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 18000	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 16000	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
GE 14000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 12000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
GE 10000	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 9000	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 8000	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 7000	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 6000	17.3	17.7	17.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 5000	17.3	17.7	17.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 4500	18.1	18.6	18.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 4000	19.9	20.4	20.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 3500	21.2	21.7	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
GE 3000	30.1	31.0	31.4	32.3	32.3	32.3	32.3	32.3	32.3	32.7	32.7	32.7	33.2	33.2	33.2	33.2
GE 2500	45.6	47.3	49.1	50.4	50.9	50.9	50.9	51.3	51.3	51.8	51.8	51.8	52.2	52.2	52.2	52.2
GE 2000	64.2	67.7	73.5	75.7	77.4	77.4	77.4	77.9	77.9	78.3	78.8	78.8	79.2	79.2	79.2	79.2
GE 1800	65.9	69.5	75.7	79.2	81.9	81.9	81.9	82.3	82.3	82.7	83.2	83.2	83.6	83.6	83.6	83.6
GE 1500	66.4	70.4	77.9	84.5	88.5	88.5	89.8	90.3	90.3	91.2	91.6	91.6	92.0	92.0	92.0	92.0
GE 1200	67.7	72.1	79.6	86.7	91.2	91.2	92.5	92.9	92.9	93.8	94.2	94.2	95.6	95.6	95.6	95.6
GE 1000	68.1	73.5	81.0	88.1	92.5	92.5	94.2	94.7	94.7	96.5	96.9	96.9	98.7	98.7	98.7	98.7
GE 900	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	96.9	97.3	97.3	99.1	99.1	99.1	99.1
GE 800	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	96.9	97.3	97.3	99.1	99.1	99.1	99.1
GE 700	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	96.9	97.3	97.3	99.1	99.1	99.1	99.1
GE 600	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	99.6	99.6	99.6	99.6
GE 500	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	99.6	99.6	99.6	99.6
GE 400	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	99.6	99.6	99.6	99.6
GE 300	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	99.6	99.6	99.6	99.6
GE 200	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	99.6	99.6	99.6	99.6
GE 100	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	100.0	100.0	100.0	100.0
GE 000	68.1	73.5	81.0	88.1	92.5	92.5	94.2	95.1	95.1	97.3	97.8	97.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 226

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 20000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 18000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 16000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 14000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 12000	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
GE 10000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
GE 9000	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
GE 8000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 7000	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 6000	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 5000	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 4500	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 4000	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
GE 3500	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 3000	34.5	34.5	34.5	35.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 2500	47.8	48.2	50.9	51.8	53.1	53.1	53.1	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 2000	64.2	65.9	71.7	71.3	76.1	76.5	76.5	76.5	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1800	66.4	68.1	75.2	79.2	81.4	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1500	68.6	70.8	78.3	84.1	86.3	86.7	86.7	86.7	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	69.5	72.6	80.1	87.2	90.7	91.2	91.6	93.4	93.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	69.5	72.6	80.5	88.5	92.0	92.5	93.8	95.6	95.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.5	72.6	80.5	88.5	92.5	92.9	94.2	96.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 226

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.5	16.5	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 20000	16.5	16.5	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 18000	16.5	16.5	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 16000	16.5	16.5	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 14000	16.8	16.8	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 12000	16.8	16.8	17.5	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 10000	17.0	17.0	18.0	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 9000	17.3	17.3	18.3	18.5	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 8000	17.5	17.5	18.5	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 7000	18.3	18.3	19.3	19.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 6000	18.3	18.3	19.3	19.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 5000	21.3	21.5	22.8	23.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
GE 4500	22.5	22.8	24.5	24.8	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
GE 4000	26.0	26.5	28.3	29.0	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
GE 3500	29.5	30.0	32.3	33.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 3000	42.0	42.5	45.8	46.5	47.8	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 2500	51.8	52.8	59.0	59.8	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 2000	62.8	65.0	73.5	75.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1800	64.8	67.3	77.5	79.8	82.5	82.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1500	65.5	68.3	79.5	82.8	87.0	87.0	88.0	88.0	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	66.5	69.3	80.5	84.3	89.3	89.3	90.8	91.3	91.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 1000	66.5	69.5	80.8	85.0	90.5	90.5	92.5	93.0	93.0	95.3	95.5	95.5	95.5	95.5	95.8	95.8
GE 900	66.5	69.5	80.8	85.0	90.5	90.5	92.8	93.3	93.3	95.5	95.8	95.8	95.8	95.8	96.0	96.0
GE 800	66.5	69.5	80.8	85.0	91.0	91.0	93.5	94.0	94.0	96.3	96.5	96.5	96.5	96.5	96.8	96.8
GE 700	66.5	69.5	80.8	85.0	91.0	91.0	93.5	94.0	94.0	96.3	96.5	96.5	96.5	96.5	96.8	96.8
GE 600	66.5	69.5	80.8	85.0	91.0	91.0	94.3	94.8	94.8	97.0	97.3	97.3	97.3	97.3	97.5	97.5
GE 500	66.5	69.5	80.8	85.0	91.0	91.0	94.3	95.0	95.0	97.8	98.0	98.0	98.0	98.0	98.3	98.3
GE 400	66.5	69.5	80.8	85.0	91.0	91.0	94.3	95.0	95.0	97.8	98.0	98.0	98.0	98.0	98.3	98.3
GE 300	66.5	69.5	80.8	85.3	91.3	91.3	95.3	96.3	96.3	99.0	99.3	99.3	99.3	99.3	99.5	99.5
GE 200	66.5	69.5	80.8	85.3	91.3	91.3	95.3	96.5	96.5	99.3	99.5	99.5	99.5	99.5	99.8	99.8
GE 100	66.5	69.5	80.8	85.3	91.3	91.3	95.3	96.5	96.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0
GE 000	66.5	69.5	80.8	85.3	91.3	91.3	95.3	96.5	96.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 400

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 20000	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 18000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 16000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 14000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
GE 12000	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
GE 10000	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 9000	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 8000	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 7000	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 6000	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 5000	25.6	25.8	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 4500	26.2	26.4	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
GE 4000	31.4	31.6	32.2	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 3500	34.8	35.0	35.5	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 3000	48.0	48.2	50.0	50.8	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 2500	61.7	62.3	65.6	66.6	67.6	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 2000	71.1	72.9	79.5	81.4	82.6	82.8	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	74.0	76.2	83.2	85.2	87.3	87.5	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	75.0	77.3	85.4	87.3	89.6	89.8	91.4	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GF 1200	75.4	77.9	87.1	89.3	92.0	92.2	93.9	93.9	93.9	94.5	94.5	94.5	94.7	94.7	94.9	94.9
GF 1000	75.4	78.1	87.9	90.2	93.0	93.2	95.1	95.1	95.1	95.7	95.7	95.7	96.1	96.1	96.3	96.3
C 900	75.4	78.1	87.9	90.2	93.0	93.2	95.1	95.1	95.1	95.7	95.7	95.7	96.1	96.1	96.3	96.3
GF 800	75.4	78.1	87.9	90.4	93.4	93.6	95.9	95.9	95.9	96.7	96.7	96.7	97.1	97.1	97.3	97.3
GE 700	75.4	78.1	87.9	90.4	93.4	93.6	95.9	95.9	95.9	96.7	96.7	96.7	97.1	97.1	97.3	97.3
C 600	75.4	78.1	87.9	90.4	93.6	93.8	96.1	96.1	96.1	96.9	96.9	96.9	97.5	97.5	97.7	97.7
GE 500	75.4	78.1	87.9	90.4	93.6	93.8	96.1	96.1	96.1	96.9	96.9	96.9	97.7	97.7	97.9	97.9
GF 400	75.4	78.1	87.9	90.4	93.6	93.8	96.1	96.3	96.3	97.1	97.1	97.1	98.0	98.0	98.2	98.2
GF 300	75.4	78.1	87.9	90.4	93.6	93.8	96.3	96.7	96.7	97.5	97.5	97.5	98.6	98.6	98.8	98.8
GL 200	75.4	78.1	87.9	90.4	93.6	93.8	96.3	96.7	96.7	97.7	97.9	97.9	99.0	99.0	99.2	99.2
GE 100	75.4	78.1	87.9	90.4	93.6	93.8	96.3	97.1	97.1	98.0	98.4	98.4	99.6	99.6	100.0	100.0
GE 000	75.4	78.1	87.9	90.4	93.6	93.8	96.3	97.1	97.1	98.0	98.4	98.4	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 512

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 20000	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 18000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 16000	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 14000	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
GE 12000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 10000	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 9000	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 8000	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
GE 7000	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 6000	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 5000	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
GE 4500	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 4000	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 3500	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 3000	53.1	53.3	54.3	54.3	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 2500	68.3	68.7	70.2	70.2	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 2000	77.0	77.8	80.4	80.5	81.9	81.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1800	78.4	79.8	83.5	83.9	86.0	86.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1500	79.0	80.9	85.6	86.8	89.1	89.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9
GE 1200	79.2	81.7	87.0	88.5	91.1	91.1	92.6	92.8	92.8	93.0	93.0	93.0	93.8	93.8	93.8	93.8
GE 1000	79.4	82.1	87.9	89.5	92.6	92.6	94.4	94.6	94.6	94.7	94.7	94.7	95.5	95.5	95.5	95.5
GE 900	79.4	82.1	87.9	89.5	92.6	92.6	94.4	94.6	94.6	94.9	94.9	94.9	95.7	95.7	95.7	95.7
GE 800	79.4	82.1	87.9	89.5	93.0	93.0	94.9	95.1	95.1	95.9	95.9	95.9	96.7	96.7	96.7	96.7
GE 700	79.4	82.1	87.9	89.5	93.0	93.0	94.9	95.1	95.1	96.1	96.1	96.1	96.9	96.9	96.9	96.9
GE 600	79.4	82.1	87.9	89.5	93.0	93.0	95.3	95.5	95.5	96.5	96.5	96.5	97.3	97.3	97.3	97.3
GE 500	79.4	82.1	87.9	89.5	93.0	93.0	95.5	95.7	95.7	96.7	96.7	96.7	97.5	97.5	97.5	97.5
GE 400	79.4	82.1	87.9	89.5	93.0	93.0	95.5	95.7	95.7	96.7	96.7	96.7	97.5	97.5	97.5	97.5
GE 300	79.6	82.3	88.1	89.7	93.2	93.4	95.9	96.3	96.3	97.3	97.3	97.3	98.1	98.1	98.1	98.1
GE 200	79.6	82.3	88.1	89.7	93.2	93.4	96.1	96.5	96.5	97.5	97.5	97.5	98.2	98.2	98.2	98.2
GE 100	79.6	82.3	88.3	89.9	93.4	93.6	96.3	96.9	96.9	98.2	98.4	98.4	99.8	99.8	99.8	100.0
GE 000	79.6	82.3	88.3	89.9	93.4	93.6	96.3	96.9	96.9	98.2	98.4	98.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 514



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
GE 20000	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
GE 18000	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
GE 16000	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
GE 14000	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 12000	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 10000	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 9000	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 8000	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
GE 7000	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 6000	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 5000	25.2	25.2	25.2	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
GE 4500	25.4	25.4	25.4	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 4000	30.9	30.9	30.9	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
GE 3500	33.8	34.0	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 3000	47.5	48.1	48.7	49.4	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 2500	62.0	63.4	64.7	65.3	65.8	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 2000	72.1	75.0	78.8	79.8	80.9	80.9	81.5	81.5	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1800	73.7	77.7	82.4	84.2	86.1	86.1	87.4	87.4	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1500	73.7	78.8	84.5	86.8	89.7	89.9	92.4	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	73.7	79.2	85.3	88.2	91.2	91.4	93.9	93.9	93.9	95.2	95.2	95.2	95.6	95.6	95.6	95.6
GE 1000	73.7	79.2	85.7	88.7	92.0	92.2	94.7	94.7	94.7	96.4	96.4	96.4	97.1	97.1	97.1	97.1
GE 900	73.7	79.2	85.7	88.7	92.0	92.2	94.7	94.7	94.7	96.4	96.4	96.4	97.1	97.1	97.1	97.1
GE 800	73.7	79.2	85.7	88.7	92.0	92.2	94.7	94.7	94.7	96.6	96.6	96.6	97.3	97.3	97.3	97.3
GE 700	73.7	79.2	85.7	88.7	92.0	92.2	94.7	94.7	94.7	96.6	96.6	96.6	97.3	97.3	97.3	97.3
GE 600	73.7	79.2	85.7	88.7	92.0	92.2	94.7	94.7	94.7	97.3	97.3	97.3	98.1	98.1	98.1	98.1
GE 500	73.7	79.2	85.7	88.9	92.4	92.6	95.2	95.2	95.2	97.9	97.9	97.9	98.9	98.9	98.9	98.9
GE 400	73.7	79.2	85.7	88.9	92.4	92.9	95.6	95.6	95.6	98.3	98.3	98.3	99.4	99.4	99.4	99.4
GE 300	73.7	79.2	85.7	88.9	92.4	92.9	95.6	95.6	95.6	98.3	98.3	98.3	99.4	99.4	99.4	99.4
GE 200	73.7	79.2	85.9	89.1	92.6	93.1	95.8	95.8	95.8	98.7	98.7	98.7	99.8	99.8	99.8	99.8
GE 100	73.7	79.2	85.9	89.1	92.6	93.1	95.8	95.8	95.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0
GE 000	73.7	79.2	85.9	89.1	92.6	93.1	95.8	95.8	95.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 476

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 20000	15.8	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 18000	16.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 16000	16.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 14000	16.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 12000	16.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 10000	18.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 9000	18.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 8000	19.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
GE 7000	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 6000	22.8	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 5000	25.1	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 4500	26.0	26.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
GE 4000	28.6	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 3500	30.5	30.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 3000	37.6	37.9	39.2	39.5	39.5	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 2500	53.7	54.7	56.6	57.2	57.9	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 2000	65.6	68.5	74.3	76.2	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1800	67.2	70.1	79.1	81.0	83.6	83.9	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1500	68.8	71.7	83.0	86.2	89.7	90.0	92.9	93.2	93.2	93.6	93.6	93.6	94.2	94.2	94.2	94.2
GE 1200	68.8	71.7	83.9	88.1	91.6	92.0	94.9	95.2	95.2	95.5	95.5	95.5	96.5	96.5	96.5	96.5
GE 1000	68.8	71.7	83.9	88.1	92.0	92.3	95.2	95.5	95.5	95.8	95.8	95.8	97.1	97.1	97.1	97.1
GE 900	68.8	71.7	83.9	88.1	92.0	92.3	95.2	95.5	95.5	95.8	95.8	95.8	97.1	97.1	97.1	97.1
GE 800	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	97.4	97.4	97.4	98.7	98.7	98.7	98.7
GE 700	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	97.4	97.4	97.4	98.7	98.7	98.7	98.7
GE 600	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	97.7	97.7	97.7	99.0	99.0	99.0	99.0
GE 500	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	97.7	97.7	97.7	99.0	99.0	99.0	99.0
GE 400	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	98.1	98.1	98.1	99.4	99.4	99.4	99.4
GE 300	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	98.1	98.1	98.1	99.4	99.4	99.4	99.4
GE 200	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	98.1	98.1	98.1	99.7	99.7	100.0	100.0
GE 100	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	98.1	98.1	98.1	99.7	99.7	100.0	100.0
GE 000	69.5	72.3	84.9	89.1	92.9	93.2	96.5	96.8	96.8	98.1	98.1	98.1	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 311

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 20000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 18000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 16000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 14000	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 12000	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 10000	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 9000	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 8000	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
GE 7000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 6000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 5000	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
GE 4500	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
GE 4000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 3500	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 3000	30.1	30.5	30.5	30.5	30.5	31.0	31.0	31.0	31.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4
GE 2500	46.9	49.1	50.9	51.8	51.8	52.2	52.7	52.7	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 2000	61.9	67.7	73.0	76.1	77.0	77.4	77.9	77.9	77.9	78.3	78.8	78.8	78.8	78.8	78.8	78.8
GE 1800	64.6	70.4	76.1	79.6	81.0	81.4	81.9	81.9	81.9	82.3	82.7	82.7	82.7	82.7	82.7	82.7
GE 1500	65.0	70.8	80.1	85.4	86.7	87.6	89.8	89.8	89.8	90.3	90.7	90.7	90.7	90.7	90.7	90.7
GE 1200	65.9	71.7	81.9	87.2	88.5	89.4	92.0	92.0	92.0	92.5	92.9	92.9	93.8	93.8	93.8	93.8
GE 1000	65.9	72.1	82.3	88.1	89.8	90.7	93.8	94.2	94.2	95.6	96.0	96.0	97.3	97.3	97.3	97.3
GE 900	65.9	72.1	82.3	88.1	90.3	91.2	94.2	94.7	94.7	96.0	96.5	96.5	97.8	97.8	97.8	97.8
GE 800	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	96.9	97.3	97.3	98.7	98.7	98.7	98.7
GE 700	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	96.9	97.3	97.3	98.7	98.7	98.7	98.7
GE 600	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.3	97.8	97.8	99.1	99.1	99.1	99.1
GE 500	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	99.6	99.6	99.6	99.6
GE 400	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	99.6	99.6	99.6	99.6
GE 300	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	100.0	100.0	100.0	100.0
GE 200	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	100.0	100.0	100.0	100.0
GE 100	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	100.0	100.0	100.0	100.0
GE 000	65.9	72.1	83.2	88.9	91.2	92.0	95.1	95.6	95.6	97.8	98.2	98.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 226

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.2	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
GE 20000	15.9	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
GE 18000	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 16000	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
GE 14000	16.7	16.7	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
GE 12000	16.8	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
GE 10000	17.9	17.9	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 9000	18.2	18.3	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
GE 8000	18.6	18.7	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
GE 7000	19.6	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 6000	21.9	22.0	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 5000	24.1	24.2	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 4500	24.8	25.0	25.3	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
GE 4000	28.9	29.1	29.5	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 3500	31.7	31.9	32.4	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 3000	43.0	43.4	44.6	45.1	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1
GE 2500	57.2	58.2	60.8	61.5	62.3	62.3	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 2000	68.8	71.2	76.5	78.1	79.6	79.7	80.3	80.4	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7
GE 1800	70.8	73.6	80.1	82.2	84.4	84.6	85.5	85.5	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9
GE 1500	71.6	74.8	82.6	85.7	88.6	88.8	90.5	90.6	90.6	91.0	91.1	91.1	91.3	91.3	91.3	91.3
GE 1200	72.1	75.6	84.0	87.6	90.8	91.0	92.9	93.2	93.2	94.0	94.1	94.1	94.6	94.6	94.6	94.6
GE 1000	72.1	75.9	84.6	88.4	91.9	92.1	94.3	94.6	94.6	95.9	96.0	96.0	96.7	96.7	96.7	96.7
GE 900	72.1	75.9	84.6	88.4	92.0	92.2	94.4	94.8	94.8	96.1	96.2	96.2	96.9	96.9	97.0	97.0
GE 800	72.2	75.9	84.7	88.6	92.4	92.6	94.9	95.3	95.3	96.8	96.9	96.9	97.6	97.6	97.7	97.7
GE 700	72.2	75.9	84.7	88.6	92.4	92.6	94.9	95.3	95.3	96.9	97.0	97.0	97.6	97.6	97.7	97.7
GE 600	72.2	75.9	84.7	88.6	92.4	92.6	95.2	95.5	95.5	97.3	97.4	97.4	98.1	98.1	98.2	98.2
GE 500	72.2	75.9	84.7	88.7	92.5	92.7	95.3	95.7	95.7	97.5	97.6	97.6	98.5	98.5	98.5	98.5
GE 400	72.2	75.9	84.7	88.7	92.5	92.7	95.3	95.8	95.8	97.7	97.8	97.8	98.7	98.7	98.7	98.7
GE 300	72.2	76.0	84.8	88.7	92.6	92.8	95.6	96.1	96.1	98.1	98.2	98.2	99.1	99.1	99.2	99.2
GE 200	72.2	76.0	84.8	88.8	92.6	92.9	95.6	96.2	96.2	98.2	98.4	98.4	99.3	99.3	99.4	99.4
GE 100	72.2	76.0	84.8	88.8	92.6	92.9	95.7	96.4	96.4	98.4	98.7	98.7	99.8	99.8	100.0	100.0
GE 000	72.2	76.0	84.8	88.8	92.6	92.9	95.7	96.4	96.4	98.4	98.7	98.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
GE 20000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 18000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 16000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 14000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 12000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
GE 10000	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 9000	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 8000	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 7000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 6000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 5000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 4500	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 4000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 3500	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 3000	35.8	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 2500	44.4	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 2000	63.8	68.8	70.6	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1800	65.2	71.0	73.8	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 1500	68.1	75.3	79.6	83.5	85.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	68.1	75.6	80.3	84.6	87.1	87.1	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	68.8	76.3	81.4	86.4	89.2	89.2	91.4	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	68.8	76.7	81.7	86.7	91.0	91.0	93.2	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	68.8	77.4	82.4	87.5	92.1	92.1	94.3	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	68.8	77.4	82.8	87.8	92.8	92.8	95.0	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	68.8	77.4	82.8	87.8	92.8	92.8	95.0	96.1	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.6	98.6	98.6	98.6	98.6	98.9	98.9
GE 300	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.6	98.6	98.6	98.6	98.6	98.9	98.9
GE 200	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.6	98.9	98.9	98.9	98.9	98.9	100.0
GE 100	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.6	98.9	98.9	98.9	98.9	99.3	100.0
GE 000	68.8	77.4	82.8	87.8	92.8	92.8	95.7	96.8	96.8	98.6	98.9	98.9	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 20000	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 18000	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 16000	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 14000	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 12000	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 10000	19.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 9000	19.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 8000	19.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
GE 7000	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 6000	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 5000	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 4500	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 4000	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
GE 3500	20.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 3000	30.6	30.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 2500	43.9	45.0	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 2000	65.8	68.0	74.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 1800	67.6	69.8	78.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 1500	70.1	72.3	82.0	83.8	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	70.1	73.4	83.8	85.6	87.4	87.4	88.5	88.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1000	70.1	73.4	83.8	86.0	89.6	89.6	91.0	91.4	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 900	70.1	73.4	83.8	86.0	89.6	89.6	91.0	91.4	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	70.1	73.4	83.8	86.0	91.0	91.0	93.2	93.5	93.5	96.0	96.0	96.0	96.4	96.4	96.4	96.4
GE 700	70.1	73.4	83.8	86.0	91.0	91.0	93.2	93.5	93.5	96.4	96.4	96.4	96.8	96.8	96.8	96.8
GE 600	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.5	97.5	98.6	98.6	98.6	98.6
GE 500	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.5	97.5	98.9	98.9	98.9	98.9
GE 400	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.5	97.5	98.9	98.9	99.3	99.3
GE 300	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.5	97.5	98.9	98.9	99.3	99.3
GE 200	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.8	97.8	99.3	99.3	99.6	100.0
GE 100	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.8	97.8	99.3	99.3	99.6	100.0
GE 000	70.1	73.4	83.8	86.0	91.0	91.0	93.5	93.9	93.9	97.5	97.8	97.8	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 278

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.7	16.7	16.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
GE 20000	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 18000	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 16000	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 14000	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 12000	16.9	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
GE 10000	17.3	17.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 9000	17.5	17.5	17.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 8000	17.7	17.7	17.9	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
GE 7000	17.9	17.9	18.2	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
GE 6000	18.6	18.6	18.8	19.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 5000	22.2	22.2	22.6	22.9	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GE 4500	22.6	22.6	23.1	23.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
GE 4000	23.9	23.9	25.0	25.2	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
GE 3500	24.4	24.4	25.4	25.6	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
GE 3000	34.1	35.3	38.2	38.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 2500	46.6	48.9	54.7	55.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 2000	63.5	66.7	73.9	75.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 1800	65.6	69.4	76.9	78.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1500	67.5	71.8	81.8	84.8	89.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	67.9	72.2	82.5	86.1	90.8	90.8	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	67.9	72.4	82.7	87.2	92.5	92.5	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	67.9	72.4	82.7	87.2	92.5	92.5	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800	67.9	72.4	82.9	87.4	92.9	92.9	95.7	96.4	96.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	67.9	72.4	82.9	87.4	93.2	93.2	96.2	96.8	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	67.9	72.4	82.9	87.6	93.4	93.4	96.4	97.0	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4
GE 400	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.4	99.4	99.4	99.8	99.8	99.8	99.8
GE 300	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 200	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 000	67.9	72.4	82.9	87.6	93.4	93.4	97.0	97.6	97.9	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 468

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
GE 20000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 18000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 16000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 14000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 12000	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 10000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 9000	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 8000	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
GE 7000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 6000	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
GE 5000	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 4500	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 4000	30.6	30.6	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 3500	32.3	32.3	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 3000	41.3	41.7	42.6	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 2500	54.1	55.1	58.1	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 2000	67.9	69.8	75.5	76.3	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1800	70.0	72.8	79.9	81.6	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1500	71.3	74.4	82.6	85.3	89.3	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	71.7	74.8	83.6	86.4	91.0	91.0	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	71.7	74.8	84.1	87.2	92.0	92.2	92.9	93.1	93.1	93.5	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	71.7	74.8	84.1	87.2	92.2	92.4	93.1	93.3	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	71.7	74.8	85.1	88.1	93.5	93.7	94.6	95.2	95.2	96.4	96.7	96.7	96.7	96.7	96.7	96.9
GE 700	71.7	74.8	85.3	88.3	93.9	94.1	95.0	95.6	95.6	96.7	97.1	97.1	97.1	97.1	97.1	97.3
GE 600	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	97.5	98.1	98.1	98.1	98.1	98.1	98.3
GE 500	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	97.7	98.5	98.5	98.5	98.5	98.7	98.9
GE 400	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	97.7	98.5	98.5	98.5	98.5	98.7	98.9
GE 300	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	98.1	98.9	98.9	99.2	99.2	99.4	99.6
GE 200	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	98.1	98.9	98.9	99.4	99.4	99.6	99.8
GE 100	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	98.1	98.9	98.9	99.4	99.4	99.6	100.0
GE 000	71.7	74.8	85.3	88.3	94.1	94.3	95.2	95.8	95.8	98.1	98.9	98.9	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 523



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 20000	16.3	16.3	16.3	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 18000	16.3	16.3	16.3	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 16000	16.3	16.3	16.3	16.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
GE 14000	16.5	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 12000	16.5	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
GE 10000	19.7	19.7	19.7	19.7	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 9000	20.1	20.1	20.1	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 8000	21.3	21.3	21.3	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 7000	23.2	23.2	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 6000	25.1	25.1	25.1	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
GE 5000	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 4500	27.0	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 4000	31.0	31.0	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 3500	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 3000	40.8	40.8	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 2500	54.2	55.0	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 2000	67.4	69.5	72.2	73.0	73.8	73.8	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 1800	71.5	74.3	77.8	79.1	80.5	80.5	80.8	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1500	75.3	78.4	83.0	85.2	87.5	87.5	88.5	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200	75.9	79.1	84.9	87.9	90.4	90.4	92.1	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	75.9	79.3	85.4	88.7	91.4	91.4	93.1	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	75.9	79.3	85.4	88.7	91.6	91.6	93.3	93.7	93.7	94.4	94.4	94.4	94.8	94.8	94.8	94.8
GE 800	75.9	79.3	86.2	89.7	92.7	92.7	94.4	94.8	94.8	96.0	96.0	96.0	96.4	96.4	96.4	96.4
GE 700	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.2	96.2	96.2	96.6	96.6	96.6	96.6
GE 600	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.7	96.7	96.7	97.5	97.5	97.5	97.5
GE 500	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	96.9	96.9	97.7	97.7	98.1	98.1
GE 400	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	96.9	96.9	98.3	98.3	98.7	98.7
GE 300	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	97.3	97.3	98.9	98.9	99.2	99.2
GE 200	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	97.3	97.3	99.0	99.0	99.4	99.6
GE 100	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	97.3	97.3	99.0	99.0	99.6	100.0
GE 000	75.9	79.3	86.2	89.8	92.9	92.9	94.6	95.0	95.0	96.9	97.3	97.3	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 522

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
GE 20000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 18000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 16000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 14000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 12000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 10000	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
GE 9000	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
GE 8000	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
GE 7000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
GE 6000	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 5000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 4500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 4000	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 3500	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
GE 3000	41.4	42.1	42.5	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 2500	53.8	54.8	55.9	56.3	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 2000	66.8	69.5	72.0	73.0	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 1800	70.1	73.2	76.1	77.3	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1500	74.2	78.3	83.7	86.2	88.7	88.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	90.1	90.1
GE 1200	75.0	79.0	85.4	88.3	91.3	91.3	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.8	92.8
GE 1000	75.3	79.4	86.0	88.9	92.2	92.2	93.8	93.8	93.8	94.6	94.6	94.6	94.6	94.6	94.8	94.8
GE 900	75.3	79.4	86.0	88.9	92.4	92.4	94.0	94.0	94.0	94.8	94.8	94.8	95.3	95.3	95.5	95.5
GE 800	75.3	79.4	86.2	89.9	93.6	93.6	95.1	95.1	95.1	96.1	96.1	96.1	96.7	96.7	96.9	96.9
GE 700	75.3	79.4	86.2	90.1	93.8	93.8	95.3	95.3	95.3	96.3	96.3	96.3	96.9	96.9	97.1	97.1
GE 600	75.3	79.4	86.2	90.1	93.8	93.8	95.3	95.3	95.3	96.3	96.3	96.3	96.9	96.9	97.1	97.1
GE 500	75.3	79.4	86.2	90.3	94.2	94.2	95.9	95.9	95.9	96.9	96.9	96.9	97.5	97.5	97.7	97.7
GE 400	75.3	79.4	86.2	90.3	94.4	94.4	96.1	96.1	96.1	97.1	97.3	97.3	98.3	98.3	98.4	98.4
GE 300	75.5	79.6	86.4	90.5	94.6	94.6	96.3	96.5	96.5	97.5	97.7	97.7	98.6	98.6	99.0	99.0
GE 200	75.5	79.6	86.4	90.5	94.6	94.6	96.3	96.5	96.5	97.5	97.9	97.9	98.8	98.8	99.6	99.6
GE 100	75.5	79.6	86.4	90.5	94.6	94.6	96.3	96.5	96.5	97.5	97.9	97.9	98.8	98.8	99.8	100.0
GE 000	75.5	79.6	86.4	90.5	94.6	94.6	96.3	96.5	96.5	97.5	97.9	97.9	98.8	98.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 515

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
GE 20000	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 18000	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 16000	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
GE 14000	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 12000	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
GE 10000	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 9000	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 8000	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 7000	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
GE 6000	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
GE 5000	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 4500	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 4000	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 3500	24.5	24.5	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
GE 3000	34.7	34.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 2500	47.2	47.5	48.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 2000	62.6	65.3	70.9	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1800	65.0	70.6	77.0	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1500	66.6	73.0	82.5	85.3	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	66.9	73.3	84.4	88.0	92.0	92.0	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	68.4	74.8	86.2	90.2	94.5	94.8	95.4	95.4	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	68.4	74.8	86.2	90.2	94.5	94.8	95.4	95.4	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.0	96.0	96.9	96.9	96.9	97.2	97.2	97.2	97.2
GE 700	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.0	96.0	97.2	97.2	97.2	97.5	97.5	97.5	97.5
GE 600	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.0	96.0	97.2	97.2	97.2	97.5	97.5	97.5	97.5
GE 500	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.0	96.0	97.9	97.9	97.9	98.2	98.2	98.2	98.2
GE 400	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.0	96.0	98.5	98.5	98.5	98.8	98.8	98.8	98.8
GE 300	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.3	96.3	98.8	98.8	98.8	99.1	99.1	100.0	100.0
GE 200	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.3	96.3	98.8	98.8	98.8	99.1	99.1	100.0	100.0
GE 100	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.3	96.3	98.8	98.8	98.8	99.1	99.1	100.0	100.0
GE 000	68.4	74.8	86.5	90.5	94.8	95.1	96.0	96.3	96.3	98.8	98.8	98.8	99.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 326

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
GE 20000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 18000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 16000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 14000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 12000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 10000	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 9000	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
GE 8000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 7000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 6000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 5000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 4500	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 4000	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 3500	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 3000	31.8	32.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 2500	42.9	44.6	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 2000	61.4	65.7	71.8	73.2	73.2	73.2	73.2	73.2	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 1800	64.3	69.6	76.4	79.6	79.6	79.6	79.6	79.6	79.6	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1500	66.8	73.2	82.5	87.5	88.6	88.6	89.3	89.6	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1200	66.8	73.6	83.9	89.6	91.8	91.8	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	66.8	73.9	84.3	90.4	92.5	92.5	93.9	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 900	66.8	73.9	84.3	90.4	92.5	92.5	93.9	94.3	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	66.8	74.3	85.0	91.1	93.2	93.2	95.4	95.7	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	66.8	74.3	85.0	91.1	93.2	93.2	95.4	95.7	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	66.8	74.3	85.0	91.1	93.2	93.2	95.4	95.7	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	98.9	98.9	98.9	98.9
GE 400	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	98.9	98.9	98.9	98.9
GE 300	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	98.9	98.9	99.3	99.3
GE 200	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	98.9	98.9	99.3	99.3
GE 100	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	98.9	98.9	99.3	99.6
GE 000	66.8	74.3	85.0	91.1	93.2	93.2	96.4	96.8	96.8	98.6	98.6	98.6	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 280

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
GE 20000	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 18000	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 16000	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
GE 14000	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 12000	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 10000	19.8	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 9000	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
GE 8000	20.8	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 7000	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
GE 6000	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
GE 5000	24.3	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
GE 4500	24.6	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 4000	26.7	26.8	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 3500	27.8	27.9	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 3000	37.3	37.7	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 2500	49.5	50.8	53.1	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 2000	65.3	68.2	72.8	74.0	74.8	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 1800	68.0	71.7	77.2	79.0	80.4	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 1500	70.6	74.9	82.4	85.3	87.9	87.9	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.9	88.9
GE 1200	71.0	75.5	83.8	87.2	90.4	90.4	91.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	71.3	75.9	84.4	88.1	91.9	91.9	93.4	93.6	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 900	71.3	75.9	84.4	88.2	92.1	92.2	93.6	93.9	93.9	94.5	94.6	94.6	94.8	94.8	94.8	94.8
GE 800	71.3	76.0	84.9	88.8	93.1	93.1	94.9	95.3	95.3	96.5	96.6	96.6	96.8	96.8	96.8	96.9
GE 700	71.3	76.0	85.0	88.9	93.3	93.4	95.1	95.5	95.5	96.9	96.9	96.9	97.1	97.1	97.2	97.2
GE 600	71.3	76.0	85.0	89.0	93.4	93.4	95.2	95.6	95.7	97.3	97.4	97.4	97.7	97.7	97.7	97.8
GE 500	71.3	76.0	85.0	89.0	93.4	93.5	95.6	96.0	96.0	97.8	97.9	97.9	98.3	98.3	98.5	98.5
GE 400	71.3	76.0	85.0	89.0	93.5	93.5	95.6	96.0	96.1	97.9	98.1	98.1	98.7	98.7	98.9	98.9
GE 300	71.3	76.0	85.0	89.0	93.5	93.5	95.6	96.1	96.1	98.1	98.3	98.3	99.1	99.1	99.4	99.4
GE 200	71.3	76.0	85.0	89.0	93.5	93.5	95.6	96.1	96.1	98.1	98.4	98.4	99.2	99.2	99.6	99.8
GE 100	71.3	76.0	85.0	89.0	93.5	93.5	95.6	96.1	96.1	98.1	98.4	98.4	99.2	99.2	99.7	100.0
GE 000	71.3	76.0	85.0	89.0	93.5	93.5	95.6	96.1	96.1	98.1	98.4	98.4	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3191

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.8	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
GE 20000	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5
GE 18000	14.3	14.3	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6
GE 16000	14.3	14.4	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
GE 14000	14.5	14.6	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
GE 12000	14.6	14.7	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
GE 10000	15.7	15.7	15.8	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
GE 9000	15.9	16.0	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.3
GE 8000	17.2	17.3	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6
GE 7000	18.0	18.1	18.2	18.2	18.3	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 6000	19.3	19.4	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.8
GE 5000	20.7	20.8	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 4500	20.9	21.1	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 4000	23.4	23.6	23.8	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.1	24.1
GE 3500	26.1	26.3	26.5	26.6	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9
GE 3000	34.9	35.2	35.9	36.1	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5
GE 2500	46.6	47.6	49.0	49.4	49.8	49.8	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 2000	58.8	61.1	64.0	65.3	66.3	66.3	66.6	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9
GE 1800	62.0	64.9	68.7	70.6	72.0	72.1	72.5	72.6	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9
GE 1500	67.0	71.2	76.7	79.7	82.2	82.3	83.4	83.7	83.7	84.1	84.2	84.2	84.3	84.3	84.3	84.3
GE 1200	68.9	73.7	80.2	83.8	86.8	86.9	88.4	88.8	88.8	89.4	89.5	89.5	89.7	89.7	89.7	89.7
GE 1000	69.6	74.6	81.5	85.4	88.8	88.9	90.8	91.3	91.3	92.3	92.5	92.5	92.7	92.7	92.7	92.7
GE 900	69.7	74.7	81.7	85.6	89.1	89.2	91.2	91.7	91.7	92.7	92.9	92.9	93.2	93.2	93.2	93.2
GE 800	69.9	75.1	82.2	86.4	90.2	90.3	92.5	93.1	93.1	94.4	94.6	94.6	95.0	95.0	95.1	95.1
GE 700	69.9	75.1	82.4	86.6	90.4	90.6	92.9	93.4	93.5	94.8	95.1	95.1	95.5	95.5	95.5	95.5
GE 600	70.0	75.3	82.5	86.9	90.8	91.0	93.4	94.0	94.0	95.5	95.8	95.8	96.3	96.3	96.4	96.4
GE 500	70.1	75.3	82.7	87.2	91.2	91.4	93.9	94.6	94.6	96.3	96.6	96.6	97.2	97.2	97.3	97.4
GE 400	70.1	75.4	82.8	87.3	91.4	91.6	94.2	94.8	94.9	96.7	97.0	97.0	97.7	97.7	97.9	97.9
GE 300	70.1	75.4	8.8	87.4	91.6	91.7	94.4	95.1	95.2	97.0	97.4	97.4	98.2	98.2	98.4	98.5
GE 200	70.1	75.4	82.8	87.5	91.7	91.9	94.6	95.4	95.5	97.5	97.9	97.9	98.8	98.8	99.1	99.2
GE 100	70.1	75.4	82.8	87.5	91.7	91.9	94.7	95.5	95.5	97.6	98.1	98.1	99.2	99.2	99.5	99.7
GE 000	70.1	75.4	82.8	87.5	91.7	91.9	94.7	95.5	95.6	97.6	98.1	98.1	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 45011

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	6.8	12.5	21.1	54.7	4.9	80.8		369
03-05	3.8	10.0	20.3	61.6	4.3	86.2		370
06-08	4.3	12.1	22.6	55.3	5.7	83.6	4.3	561
09-11	3.5	13.5	23.8	53.1	6.2	83.0	3.3	631
12-14	4.0	10.7	27.2	50.6	7.6	85.4	4.0	629
15-17	2.8	11.7	28	49.8	7.8	85.6	6.0	618
18-20	3.7	10.5	25.0	54.4	6.3	85.7	1.9	428
21-23	4.9	14.4	22.2	53.1	5.4	80.8		369
ALL HOURS	4.1	11.9	24.2	53.6	6.2	84.1	2.9	3975

MONTH: FEB HOURS: ALL

00-02	.3	7.2	20.7	63.2	8.7	92.5			334
03-05	2.7	7.8	18.4	63.6	7.5	89.5			332
06-08	3.8	9.3	16.3	59.8	10.7	86.9	2.8		503
09-11	.9	7.4	21.7	60.6	9.4	91.7	3.9		566
12-14	1.2	6.9	22.0	61.0	8.8	91.9	4.6		567
15-17	.9	7.1	26.0	57.8	8.2	92.0	2.5		550
18-20	.2	4.9	21.0	63.8	10.0	94.9	1.2		409
21-23		5.7	21.6	61.3	11.4	94.3			333
ALL HOURS	1.3	7.1	21.2	61.1	9.3	91.6	2.3		3594

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	4.8	7.5	18.0	63.1	5.6	87.7		333
03-05	4.2	9.9	20.4	58.0	7.5	85.9		333
06-08	4.7	11.5	22.2	54.7	7.0	83.8	3.4	532
09-11	3.0	12.4	25.9	54.1	4.5	84.5	4.5	595
12-14	3.6	11.9	28.0	52.3	4.1	84.5	3.8	579
15-17	3.7	12.0	30.3	51.2	2.8	84.2	3.5	565
18-20	.7	10.8	29.8	53.8	4.9	88.5	2.2	409
21-23	2.4	8.4	23.4	58.0	7.8	89.2		333
ALL HOURS	3.4	10.9	25.4	54.9	5.4	85.6	2.6	3679

MONTH: APR HOURS: ALL

00-02	3.9	8.1	22.2	63.6	2.2	88.1		360
03-05	4.9	8.6	24.2	59.5	2.7	86.4	.2	405
06-08	1.9	7.3	27.9	60.2	2.7	90.8	2.3	523
09-11	.8	8.4	25.5	64.2	1.1	90.9	2.3	525
12-14	1.4	4.7	32.5	59.8	1.6	93.9	1.0	508
15-17	1.0	5.1	31.0	61.9	1.0	93.9	1.0	491
18-20	.8	6.9	25.2	66.4	.8	92.4		393
21-23	2.5	6.1	20.8	69.3	1.4	91.4		361
ALL HOURS	2.0	6.8	26.6	62.8	1.7	91.1	1.0	3566



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	3.0	6.5	17.5	71.4	1.6	90.6		371
03-05	2.4	6.7	22.6	67.1	1.2	90.9		416
06-08	1.1	6.6	28.7	63.6		92.3		533
09-11	.2	6.5	30.8	61.4	1.1	93.4	.6	542
12-14		5.4	36.7	57.2	.8	94.6	.2	521
15-17		6.3	36.7	56.9	.2	93.7	.4	510
18-20		8.4	32.4	59.2		91.6	.2	407
21-23	.5	8.0	28.6	62.8		91.4		374
ALL HOURS	.8	6.7	29.8	62.1	.6	92.5	.2	3674

MONTH: JUN HOURS: ALL

00-02	4.9	7.6	23.4	62.1	2.0	87.5		448
03-05	3.4	8.0	18.2	68.9	1.6	88.6	.2	501
06-08	1.6	8.1	18.0	70.7	1.6	9.3	1.3	668
09-11	2.0	5.7	21.7	69.6	1.0	92.3	1.6	690
12-14	3.8	8.3	24.6	62.7	.6	87.9	.4	578
15-17	3.7	11.2	29.4	55.3	.3	85.0	.3	642
18-20	4.8	5.9	28.9	59.3	1.0	89.3		477
21-23	4.0	6.9	25.9	61.4	1.8	89.1		451
ALL HOURS	3.4	7.8	23.6	64.0	1.2	88.8	.6	4555

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	.9	7.0	14.9	76.0	1.1	92.1		442
03-05	1.6	7.1	12.8	76.9	1.6	91.3	.2	493
06-08	.6	6.0	18.0	71.9	3.5	93.4	.8	655
09-11	.7	5.9	22.2	69.6	1.6	93.4	1.3	698
12-14	.9	6.2	29.7	62.5	.7	92.9	1.3	623
15-17		6.9	31.6	60.9	.6	93.1	.8	639
18-20	.6	6.9	26.5	65.2	.9	92.5	.4	465
21-23	.7	4.7	20.1	71.8	2.7	94.6		443
ALL HOURS	.7	6.3	22.5	68.8	1.6	93.0	.7	4515

MONTH: AUG HOURS: ALL

00-02	7.5	12.4	18.8	58.6	2.7	80.1		372
03-05	6.8	11.6	19.6	58.9	3.1	81.6		414
06-08	2.4	7.8	22.1	61.9	5.9	89.8	2.1	580
09-11	1.3	8.6	23.6	62.6	3.9	90.1	1.8	615
12-14	1.6	8.0	29.0	59.7	1.6	90.4	1.3	613
15-17	1.4	9.6	33.5	54.5	1.0	89.0	1.0	573
18-20	1.5	9.6	30.7	58.2		88.9		397
21-23	2.4	11.8	25.5	59.5	.8	85.8		373
ALL HOURS	2.8	9.6	25.7	59.4	2.5	87.6	.9	3937

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	2.5	7.0	20.1	69.1	1.4	90.5		359
03-05	2.9	5.6	20.8	69.4	1.2	91.4		408
06-08	1.9	5.2	23.3	68.6	1.0	92.9	.3	580
09-11	.5	4.0	26.8	67.4	1.3	95.5	1.0	604
12-14		6.0	26.5	66.0	1.5	94.0	1.2	588
15-17		7.2	24.2	66.5	2.0	92.8	.7	553
18-20	.3	4.0	26.8	67.1	1.9	95.8		377
21-23	.3	5.3	16.9	75.3	2.2	94.4		360
ALL HOURS	1.0	5.5	23.7	68.3	1.5	93.5	.5	3829

MONTH: OCT HOURS: ALL

00-02	3.5	11.4	25.2	59.8		85.0		341
03-05	4.4	12.3	24.8	58.2	.3	83.3		383
06-08	2.9	11.4	26.7	58.9	.2	85.7		559
09-11	1.5	7.0	34.1	56.7	.7	91.5	1.3	598
12-14		7.7	35.3	55.9	1.0	92.3	1.0	581
15-17	.4	6.1	33.5	58.6	1.4	93.5	1.4	553
18-20	.6	7.1	31.6	59.5	1.1	92.3	.3	351
21-23	.9	14.5	23.6	60.8	.3	84.7		339
ALL HOURS	1.6	9.3	30.1	58.3	.7	89.0	.6	3705

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	3.1	12.8	20.8	58.0	5.3	84.1		226
03-05	2.7	11.1	27.4	54.0	4.9	86.3		226
06-08	3.8	13.5	27.3	54.0	1.5	82.8	5.3	400
09-11	1.4	12.6	30.0	54.7	1.4	86.0	3.9	514
12-14	2.1	10.7	37.4	46.7	3.1	87.2	2.9	516
15-17	1.5	7.8	35.3	53.2	2.3	90.8	4.6	476
18-20	2.3	9.0	26.0	62.1	.6	88.7	1.0	311
21-23	4.0	12.8	20.8	62.4		83.2		226
ALL HOURS	2.4	11.1	29.7	54.5	2.2	86.5	2.8	2895

MONTH: DEC HOURS: ALL

00-02	3.2	16.5	23.7	51.3	5.4	80.3		279
03-05	1.8	13.3	24.1	55.0	5.8	84.9		278
06-08	3.8	11.3	29.2	52.5	3.2	84.9	1.3	469
09-11	2.5	11.2	33.2	48.2	4.9	86.3	2.8	527
12-14	.6	10.7	34.3	49.6	4.8	88.7	3.6	522
15-17	.4	8.9	35.9	51.4	3.5	90.7	5.4	516
18-20	2.1	10.1	26.4	56.4	4.9	87.7	2.8	326
21-23	3.9	13.6	23.2	55.7	3.6	82.5		280
ALL HOURS	2.1	11.5	30.0	51.9	4.4	86.4	2.4	3197

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	3.7	9.4	20.4	63.2	3.3	86.9		4234
03-05	3.5	9.1	20.6	63.6	3.2	87.4	.1	4559
06-08	2.6	9.0	23.2	61.7	3.6	88.4	1.9	6563
09-11	1.5	8.5	26.4	60.5	3.1	90.0	2.3	7105
12-14	1.7	8.1	30.0	57.3	3.0	90.2	2.1	6982
15-17	1.4	8.4	31.1	56.5	2.6	90.2	2.3	6686
18-20	1.5	7.8	27.5	60.5	2.7	90.7	.8	4750
21-23	2.1	9.0	22.8	62.9	3.1	88.8		4242
ALL HOURS	2.1	8.6	25.8	60.4	3.1	89.2	1.4	45121

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

## PART E

### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

#### TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

#### MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).  
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-47105012-5407

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80								.3	.1				.0
GE 75							.7	2.4	.3				.3
GE 70						.1	2.7	8.5	1.2				1.1
GE 65			.1		.1	.8	10.3	20.3	5.1		.1		3.1
GE 60		.1	.2	.1	.4	4.7	27.9	43.3	16.2	1.1	.1		8.0
GE 55	.6	.6	.3	.4	3.8	21.2	66.1	81.2	39.9	7.9	1.0	.2	18.9
GE 50	2.8	1.2	3.4	3.8	19.5	66.2	97.0	99.2	81.8	27.7	6.9	1.5	34.7
GE 45	9.9	5.2	14.0	25.8	64.6	96.6	99.9	100.0	99.2	69.9	28.2	9.6	52.5
GE 40	32.7	31.7	46.7	65.4	94.6	100.0	100.0		100.0	94.9	63.0	36.1	72.6
GE 35	67.3	62.4	76.8	90.0	99.6					99.7	89.7	74.6	88.6
GE 33	76.1	72.0	83.4	94.6	100.0					99.8	95.1	84.0	92.2
GE 30	83.9	84.4	89.4	98.3						100.0	98.2	94.6	95.8
GE 25	93.1	93.4	97.7	99.8							10.0	99.1	98.6
GE 20	98.5	98.5	100.0	100.0								100.0	99.8
GE 15	99.5	99.8											99.9
GE 10	100.0	100.0											100.0
MEAN	36.4	35.8	38.4	41.2	46.0	51.5	57.2	59.8	54.2	47.0	41.4	37.8	45.7
SD	7.09	6.55	6.36	5.09	4.37	4.29	5.34	6.16	5.48	4.97	5.55	5.30	9.81
TOTAL OBS	930	846	915	900	960	928	949	927	899	919	870	915	10956

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 65								.3					.0
GE 60							.5	2.0					.2
GE 55							1.4	4.9	1.2				.6
GE 50					.2	.2	10.4	25.9	8.5	.1	.1		3.8
GE 45					9.9	64.4	77.9	43.4	6.1	.8			17.2
GE 40	1.8	.4	1.2	.3	12.3	71.7	97.5	95.9	83.9	34.7	6.2	3.0	34.5
GE 35	16.1	11.5	13.7	23.2	63.1	97.6	100.0	98.8	97.3	72.4	30.2	18.1	54.0
GE 33	26.5	22.6	27.3	42.4	82.2	99.1		99.7	99.1	85.4	47.4	29.7	63.9
GE 30	48.3	43.9	54.4	72.0	96.8	100.0		99.8	99.9	95.6	72.3	50.5	78.1
GE 25	70.0	67.8	75.0	90.9	99.6			99.9	100.0	99.7	92.4	78.8	89.7
GE 20	86.7	84.8	91.8	98.8	100.0			99.9		100.0	99.3	94.6	96.4
GE 15	96.3	94.7	97.7	99.8				99.9			100.0	99.5	99.0
GE 10	98.7	99.5	99.6	100.0				100.0				100.0	99.8
GE 5	100.0	100.0	100.0										100.0
MEAN	27.8	27.1	28.6	31.2	35.6	41.0	45.6	47.2	43.8	37.4	32.1	29.2	35.6
SD	6.93	6.82	6.10	4.44	3.39	3.02	3.43	4.66	4.49	4.60	5.10	5.80	8.63
TOTAL OBS	929	846	915	900	960	928	949	927	898	888	870	913	10923

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 70							.2	.5					.1
GE 65							.7	3.2	.1				.3
GE 60							4.0	10.5	2.3				1.4
GE 55			.1			1.1	18.0	35.8	10.7	.1	.2		5.6
GE 50	.1		.2		1.0	15.6	71.0	85.3	43.2	4.4	.7		18.8
GE 45	1.4	.9	1.3	.9	13.4	74.5	99.2	99.6	88.4	29.7	5.1	.9	35.1
GE 40	11.9	6.9	13.2	25.6	70.7	99.1	100.0	99.9	99.7	74.4	29.0	12.7	54.2
GE 35	41.0	37.8	52.8	71.0	96.6	100.0		100.0	100.0	96.7	71.3	46.3	76.5
GE 33	54.1	51.9	63.4	81.6	99.2					99.0	81.7	59.8	82.8
GE 30	71.3	67.1	77.6	93.0	99.9					99.9	94.0	78.5	90.3
GE 25	86.2	85.3	92.1	99.3	100.0					100.0	99.2	95.3	96.5
GE 20	95.8	94.9	98.3	100.0							100.0	99.8	99.1
GE 15	98.9	99.5	99.9									100.0	99.9
GE 10	100.0	99.8	100.0										100.0
GE 5		100.0											100.0
MEAN	32.3	31.7	33.7	36.4	41.0	46.5	51.6	53.7	49.2	42.3	36.9	33.7	40.9
SD	6.66	6.36	5.81	4.28	3.31	3.06	3.88	4.60	4.23	4.23	4.90	5.15	8.94
TOTAL OBS	929	846	915	900	960	928	949	927	898	888	870	913	10923

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17	42	45	53	44	54	64	79	63	68	56	38	42	79
18	45	45	52	49	59	56	65	69	56	51	45	56	69
19	41	40	45	42	48	62	77	69	64	61	48	48	77
21	40	39	54	46	52	58	67	70	65	53	51	49	70
22	47	46	48	48	51	59	68	68	70	58	50	46	70
23	45	48	46	48	58	58	75	74	64	50	45	44	75
24	43	38	52	55	59	67	72	80	64	59	52	46	80
25	53	45	54	49	55	60	65	76	75	60	54	40	76
26	46	42	48	52	57	68	71	72	67	62	67	56	72
27	49	43	46	48	66	60	66	70	70	62	53	52	70
28	46	48	46	48	50	57	61	64	68	58	48	45	68
29	56	47	52	52	64	72	70	80	64	52	50	43	80
30	46	48	50	52	57	55	69	76	59	55	54	42	76
31	38	38	48	49	56	55	66	73	74	60	54	53	74
32	56	60	58	51	53	57	67	72	68	54	47	46	72
33	55	44	46	52	61	61	74	63	63	54	49	45	74
34	39	44	47	47	57	57	72	74	61	52	48	42	74
35	50	41	52	61	58	63	74	76	60	59	58	44	76
36	42	55	69	55	55	64	75	71	69	55	52	48	75
37	55	47	48	53	51	58	64	79	67	57	53	51	79
38	46	51	44	49	51	54	74	71	63	58	52	43	74
39	43	45	45	59	56	64	64	75	80	58	49	38	80
40	45	43	48	52	56	57	70	64	63	55	50	42	70
41	42	43	48	48	56	60	70	74	73	56	54	51*	74*
45					52	57	68	64	61	63	55	45	68*
46	45	47	42*	44	49	59	74	69	59	56	47	50	74*
47	51	43	51	48	50	62	72	75	75	54*			75*
50												48*	48*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
51	43	47	50	50	56	60	72	66	63	54	50	50	72
52	58	44	49	48	54	62	66	67	64	53	52	44	67
53	40	44	43	45	52	66	65	77	58	51	45	42	77
54	41	39	47	51	50	57	62*						62*

GREATEST	58	60	69	61	66	72	79	80	80	63	67	56	80
TOTAL OBS	930	846	915	900	960	928	949	927	899	919	870	913	10956

THE GREATEST VALUE OF 80 OCCURRED ON 08/02/24

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17	12	22	18	20	24	36	38	34	36	26	20	19	12
18	15	5	8	20	25	36	41	41	34	29	18	19	5
19	6	10	24	22	32	33	40	35	35	29	23	15	6
21	8	6	19	22	28	36	41	42	33	26	25	17	6
22	15	21	15	22	29	36	39	34	38	28	18	18	15
23	20	12	22	20	26	34	40	44	34	26	24	10	10
24	15	14	20	20	26	35	42	37	38	23	22	18	14
25	17	8	15	22	28	30	38	28	33	32	24	16	8
26	18	19	22	26	30	30	42	40	29	*	24	18	18*
27	20	12	12	21	27	33	40	14	30	24	20	22	12
28	10	16	15	20	20	35	38	34	31	26	20	18	10
29	28	20	18	18	30	36	38	41	37	29	27	12	12
30	22	11	14	13	28	36	36	40	35	31	24	20	11
31	18	11	18	19	32	34	40	43	35	27	22	17	11
32	13	13	19	17	30	34	39	37	32	32	16	17	13
33	17	11	10	24	28	35	37	39	32	30	22	22	10
34	14	18	12	25	30	34	41	38	38	31	26	25	12
35	22	17	25	24	30	36	42	42	38	33	27	18	17
36	15	18	19	23	31	36	42	44	38	34	20	19	15
37	26	18	24	22	30	34	37	40	38	29	26	12	12
38	11	12	9	28	31	35	39	40	37	26	26	21	9
39	13	22	12	14	25	32	42	36	37	29	20	13	12
40	13	16	14	32	29	35	40	40	38	32	24	15	13
41	13	18	18	25	32	41	39	48	41	34	26	23*	13*
45					29	39	43	46	39	33	22	18	18*
46	15	12	17*	23	29	35	40	39	38	35	25	21	12*
47	10	14	5	29	32	37	42	41	35	22*			5*
50												26*	26*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890 STATION NAME: DUTCH HARBOR/UNALASKA AK PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
LST TO UTC: +09 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
51	13	26	20	26	35	39	42	41	37	33	27	25	13
52	25	12	16	20	29	34	40	40	38	35	25	20	12
53	16	10	14	30	32	39	45	45	35	29	25	18	10
54	12	10	14	23	32	39	42*						10*

LEAST	6	5	5	13	20	30	36	14	29	22	16	10	5
TOTAL OBS	929	846	915	900	960	928	949	927	898	888	870	913	10923

THE LEAST VALUE OF 5 OCCURRED ON 02/08/18

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
UT TO UTC: +09

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17	29	34	34	34	41	47	54	51	48	42	30	33	40
18	31	32	35	37	43	46	52	51	46	41	33	32	40
19	24	29	35	33	39	46	51	51	48	43	36	35	39
21	29	27	38	34	41	45	50	55	49	40	39	34	40
22	34	33	35	37	39	45	54	51	50	42	34	38	41
23	33	32	37	35	40	46	50	54	49	41	37	31	40
24	31	27	36	35	42	50	52	58	51	41	38	36	41
25	31	31	37	36	41	44	51	52	54	46	37	30	41
26	33	31	36	38	42	50	54	55	52	*	42	37	43*
27	38	29	27	36	40	45	51	52	48		39	37	40
28	33	35	31	34	39	47	49	50	47	42	35	32	40
29	40	37	33	40	44	49	53	57	51	40	37	34	43
30	37	25	31	36	41	45	52	55	48	44	36	32	40
31	32	27	32	36	41	46	51	57	50	43	39	35	
32	34	33	36	36	41	45	50	52	48	44	37	35	41
33	32	34	32	37	41	47	51	51	48	41	36	34	40
34	24	32	35	37	42	46	53	55	50	41	37	35	41
35	35	30	38	38	43	48	52	55	50	45	43	34	43
36	29	38	36	39	42	49	53	55	52	44	35	35	42
37	41	33	36	36	40	46	50	57	50	44	37	33	42
38	31	32	31	38	41	45	50	55	47	40	38	34	40
39	30	36	31	37	40	46	52	51	50	41	34	27	39
40	33	33	31	40	42	47	52	51	49	42	38	33	41
41	33	35	33	36	41	49	51	56	53	44	39	34*	42*
45					42	46	52	53	50	42	37	34	45*
46	32	30	29*	35	40	47	50	52	47	45	37	34	40*
47	31	32	32	39	41	46	53	55	47	41*			42*
50												35*	35*



MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF AY DATA

PERIOD OF RECORD: 1701-4112,4505-4710,5012-5407  
MONTH: ALL HOURS: ALL

[illegible]

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION ""  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	30.6	6.698	369	0	205	0	0	0	369
03-05	30.6	6.758	370	0	213	0	0	0	370
06-08	31.0	6.587	559	0	291	0	0	0	559
09-11	31.2	6.488	629	0	314	0	0	0	629
12-14	32.1	6.394	625	0	264	0	0	0	625
15-17	32.3	6.154	613	0	233	0	0	0	613
18-20	31.2	6.187	428	0	206	0	0	0	428
21-23	30.9	6.609	369	0	189	0	0	0	369
ALL HOURS	31.4	6.458	3962	0	1915	0	0	0	3962

MONTH: FEB

00-02	29.1	7.069	334	0	195	0	0	0	334
03-05	29.0	7.107	332	0	192	0	0	0	332
06-08	30.6	6.892	500	0	261	0	0	0	500
09-11	31.1	6.817	566	0	284	0	0	0	566
12-14	32.3	6.967	561	0	246	0	0	0	561
15-17	32.4	7.221	541	0	229	0	0	0	541
18-20	30.4	7.379	400	0	214	0	0	0	400
21-23	29.1	7.012	334	0	203	0	0	0	334
ALL HOURS	30.8	7.174	3568	0	1824	0	0	0	3568

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	30.5	6.518	333	0	186	0	0	0	333
03-05	30.4	6.572	333	0	187	0	0	0	333
06-08	31.5	5.937	529	0	255	0	0	0	529
09-11	32.1	5.791	587	0	262	0	0	0	587
12-14	33.9	6.225	572	0	199	0	0	0	572
15-17	34.6	6.535	558	0	168	0	0	0	558
18-20	33.2	6.632	405	0	156	0	0	0	405
21-23	31.3	6.564	333	0	166	0	0	0	333
ALL HOURS	32.4	6.422	3650	0	1580	0	0	0	3650

MONTH: APR

00-02	35.0	3.411	360	0	72	0	0	0	360
03-05	34.7	3.754	405	0	104	0	0	0	405
06-08	34.4	3.665	520	0	145	0	0	0	520
09-11	35.7	4.210	522	0	102	0	0	0	522
12-14	37.5	4.440	503	0	56	0	0	0	503
15-17	38.0	4.573	490	0	51	0	0	0	490
18-20	36.8	4.074	392	0	47	0	0	0	392
21-23	35.5	3.316	361	0	56	0	0	0	361
ALL HOURS	36.0	4.245	3553	0	633	0	0	0	3553

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH:MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	38.8	2.573	371	0	3	0	0	0	371
03-05	38.3	2.548	416	0	6	0	0	0	416
06-08	38.7	2.711	533	0	5	0	0	0	533
09-11	40.8	2.861	541	0	2	0	0	0	541
12-14	42.8	3.226	518	0	0	0	0	0	518
15-17	43.4	3.320	509	0	0	0	0	0	509
18-20	42.2	3.072	407	0	0	0	0	0	407
21-23	40.1	2.662	374	0	1	0	0	0	374
ALL HOURS	40.7	3.333	3669	0	17	0	0	0	3669

MONTH: JUN

00-02	43.8	2.966	448	0	0	0	0	0	448
03-05	43.2	2.789	501	0	0	0	0	0	501
06-08	43.4	2.572	666	0	0	0	0	0	666
09-11	45.3	3.011	689	0	0	0	0	0	689
12-14	47.6	3.599	676	0	0	0	0	0	676
15-17	48.	4.166	639	0	0	0	0	0	639
18-20	47.4	3.793	476	0	0	1	0	0	476
21-23	45.4	3.238	450	0	0	0	0	0	450
ALL HOURS	45.7	3.911	4545	0	0	1	0	0	4545

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	48.7	4.171	442	0	0	4	0	0	442
03-05	48.3	3.942	492	0	0	3	0	0	492
06-08	48.4	3.776	654	0	0	3	0	0	654
09-11	50.5	4.122	697	0	0	7	0	0	697
12-14	52.7	4.663	677	0	0	15	0	0	677
15-17	53.1	4.754	634	0	0	20	0	0	634
18-20	51.7	4.618	464	0	0	10	0	0	464
21-23	49.8	4.336	443	0	0	6	0	0	443
ALL HOURS	50.5	4.685	4503	0	0	68	0	0	4503

MONTH: AUG

00-02	51.7	5.215	372	0	0	13	0	0	372
03-05	51.2	5.517	414	0	0	17	0	0	414
06-08	50.8	5.164	578	0	0	20	0	0	578
09-11	52.9	5.450	612	0	0	36	0	0	612
12-14	55.1	5.734	614	0	0	57	0	0	614
15-17	55.9	5.869	570	0	0	54	0	0	570
18-20	54.8	6.122	397	0	0	43	0	0	397
21-23	52.3	5.302	373	0	0	14	0	0	373
ALL HOURS	53.2	5.903	3930	0	0	254	0	0	3930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	46.3	4.004	359	0	0	3	0	0	359
03-05	46.1	3.655	406	0	0	0	0	0	406
06-08	46.2	3.619	574	0	0	0	0	0	574
09-11	47.2	3.569	600	0	0	0	0	0	600
12-14	49.3	3.650	581	0	0	0	0	0	581
15-17	49.5	3.822	548	0	0	1	0	0	548
18-20	47.8	3.364	373	0	0	0	0	0	373
21-23	46.7	3.624	360	0	0	1	0	0	360
ALL HOURS	47.5	3.764	3801	0	0	5	0	0	3801

MONTH: OCT

00-02	41.3	4.131	341	0	3	0	0	0	341
03-05	41.4	3.995	381	0	3	0	0	0	381
06-08	41.7	3.784	557	0	7	0	0	0	557
09-11	42.3	3.672	595	0	3	0	0	0	595
12-14	44.0	3.364	577	0	0	0	0	0	577
15-17	44.4	3.605	545	0	0	0	0	0	545
18-20	42.5	3.618	347	0	0	0		0	347
21-23	41.5	3.903	339	0	1	0	0	0	339
ALL HOURS	42.5	3.975	3682	0	17	0	0	0	3682

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

HOURLY LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	36.8	3.569	226	0	33	0	0	0	226
03-05	37.0	3.671	226	0	29	0	0	0	226
06-08	36.3	3.807	397	0	56	0	0	0	397
09-11	36.1	4.147	508	0	89	0	0	0	508
12-14	37.1	4.170	513	0	68	0	0	0	513
15-17	37.6	4.010	471	0	51	0	0	0	471
18-20	37.0	3.553	309	0	40	0	0	0	309
21-23	36.8	3.474	226	0	28	0	0	0	226
ALL HOURS	36.8	3.860	2876	0	394	0	0	0	2876

MONTH: DEC

00-02	32.0	5.358	279	0	142	0	0	0	279
03-05	32.2	5.071	278	0	132	0	0	0	278
06-08	33.0	5.107	466	0	189	0	0	0	466
09-11	33.0	5.203	525	0	220	0	0	0	525
12-14	33.8	4.860	520	0	195	0	0	0	520
15-17	33.8	4.876	513	0	195	0	0	0	513
18-20	32.4	5.177	325	0	159	0	0	0	325
21-23	31.7	5.245	280	0	159	0	0	0	280
ALL HOURS	32.9	5.180	3186	0	1391	0	0	0	3186

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	39.3	8.892	4234	0	839	20	0	0	4234
03-05	39.4	8.702	4554	0	866	20	0	0	4554
06-08	39.4	8.370	6533	0	1210	23	0	0	6533
09-11	40.3	8.964	7071	0	1276	43	0	0	7071
12-14	41.9	9.428	6937	0	1028	72	0	0	6937
15-17	42.3	9.608	6631	0	927	75	0	0	6631
18-20	40.9	9.567	4723	0	822	54	0	0	4723
21-23	39.9	9.095	4242	0	803	21	0	0	4242
ALL HOURS	40.6	9.165	44925	0	7771	328	0	0	44925



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	29.1	6.193	369	238	0	0	0	0	0	369
03-05	29.0	6.260	370	249	0	0	0	0	0	370
06-08	29.4	6.171	555	370	0	0	0	0	0	555
09-11	29.5	6.062	626	399	0	0	0	0	0	626
12-14	30.3	5.788	623	373	0	0	0	0	0	623
15-17	30.5	5.632	612	337	0	0	0	0	0	612
18-20	29.6	5.660	428	271	0	0	0	0	0	428
21-23	29.3	6.056	369	239	0	0	0	0	0	369
ALL HOURS	29.7	5.972	3952	2476	0	0	0	0	0	3952

MONTH: FEB

00-02	27.7	6.862	333	229	0	0	0	0	0	333
03-05	27.6	6.878	332	234	0	0	0	0	0	332
06-08	29.3	6.628	494	308	0	0	0	0	0	494
09-11	29.7	6.562	566	331	0	0	0	0	0	566
12-14	30.6	6.646	560	284	0	0	0	0	0	560
15-17	30.5	6.773	540	267	0	0	0	0	0	540
18-20	28.9	7.111	400	240	0	0	0	0	0	400
21-23	27.7	6.931	334	229	0	0	0	0	0	334
ALL HOURS	29.2	6.876	3559	2122	0	0	0	0	0	3559

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	29.2	6.353	333	223	0	0	0	0	0	333
03-05	29.1	6.360	333	221	0	0	0	0	0	333
06-08	30.2	5.707	525	314	0	0	0	0	0	525
09-11	30.6	5.480	586	332	0	0	0	0	0	586
12-14	31.8	5.734	569	270	0	0	0	0	0	569
15-17	32.4	5.896	556	225	0	0	0	0	0	556
18-20	31.3	6.128	404	195	0	0	0	0	0	404
21-23	29.8	6.318	333	197	0	0	0	0	0	333
ALL HOURS	30.7	6.022	3639	1977	0	0	0	0	0	3639

MONTH: APR

00-02	33.4	3.451	360	124	0	0	0	0	0	360
03-05	33.2	3.679	405	153	0	0	0	0	0	405
06-08	33.0	3.684	520	205	0	0	0	0	0	520
09-11	33.7	3.849	522	171	0	0	0	0	0	522
12-14	35.1	3.870	503	106	0	0	0	0	0	503
15-17	35.6	3.884	490	88	0	0	0	0	0	490
18-20	34.6	3.530	392	91	0	0	0	0	0	392
21-23	33.9	3.254	361	94	0	0	0	0	0	361
ALL HOURS	34.1	3.858	3553	1032	0	0	0	0	0	3553

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	37.2	2.501	371	15	0	0	0	0	371
03-05	36.8	2.512	415	30	0	0	0	0	415
06-08	37.1	2.614	533	29	0	0	0	0	533
09-11	38.5	2.550	541	13	0	0	0	0	541
12-14	39.9	2.662	518	6	1	0	0	0	518
15-17	40.3	2.678	509	3	2	0	0	0	509
18-20	39.4	2.422	407	4	0	0	0	0	407
21-23	38.0	2.384	374	7	0	0	0	0	374
ALL HOURS	38.5	2.818	3668	107	3	0	0	0	3668

MONTH: JUN

00-02	42.1	2.906	447	0	8	0	0	0	447
03-05	41.7	2.723	501	1	8	0	0	0	501
06-08	41.7	2.559	665	2	5	0	0	0	665
09-11	43.1	2.584	689	0	16	0	0	0	689
12-14	44.6	3.015	674	0	39	0	0	0	674
15-17	45.3	3.297	638	0	61	0	0	0	638
18-20	44.6	3.095	476	0	38	0	0	0	476
21-23	43.2	2.886	450	0	17	0	0	0	450
ALL HOURS	43.3	3.257	4540	3	192	0	0	0	4540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	46.9	3.617	442	0	84	0	0	0	442
03-05	46.6	3.402	492	0	81	0	0	0	492
06-08	46.7	3.167	654	0	105	0	0	0	654
09-11	48.0	3.263	696	0	188	0	0	0	696
12-14	49.5	3.684	676	0	307	1	0	0	676
15-17	49.8	3.697	634	0	314	3	0	0	634
18-20	48.9	3.947	464	0	176	0	0	0	464
21-23	47.6	3.749	443	0	105	0	0	0	443
ALL HOURS	48.1	3.784	4501	0	1360	4	0	0	4501

MONTH: AUG

00-02	49.5	4.846	372	0	143	0	0	0	372
03-05	49.2	5.002	413	0	156	0	0	0	413
06-08	48.7	4.500	578	0	187	0	0	0	578
09-11	50.1	4.560	612	0	281	0	0	0	612
12-14	51.6	4.654	614	0	382	2	0	0	614
15-17	52.2	4.716	569	0	397	3	0	0	569
18-20	51.4	5.198	396	0	215	1	0	0	396
21-23	49.8	4.776	373	0	158	0	0	0	373
ALL HOURS	50.4	4.960	3927	0	1919	6	0	0	3927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	44.0	3.649	359	0	15	1	0	0	359
03-05	43.8	3.282	405	0	19	0	0	0	405
06-08	44.0	3.174	573	0	26	0	0	0	573
09-11	44.6	3.349	599	1	42	0	0	0	599
12-14	46.0	3.312	581	0	66	0	0	0	581
15-17	46.3	3.466	548	0	78	0	0	0	548
18-20	45.0	3.404	373	0	30	0	0	0	373
21-23	44.3	3.498	360	0	16	1	0	0	360
ALL HOURS	44.8	3.417	3798	1	292	2	0	0	3798

MONTH: OCT

00-02	38.7	3.816	341	19	2	0	0	0	341
03-05	39.0	3.772	381	10	3	0	0	0	381
06-08	39.4	3.621	557	18	4	0	0	0	557
09-11	39.7	3.576	595	12	1	0	0	0	595
12-14	40.9	3.368	576	2	3	0	0	0	576
15-17	41.2	3.364	545	2	3	0	0	0	545
18-20	39.7	3.565	347	6	0	0	0	0	347
21-23	38.9	3.653	339	8	0	0	0	0	339
ALL HOURS	39.8	3.649	3681	77	16	0	0	0	3681

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER. 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	34.8	3.404	226	69	0	0	0	0	226
03-05	34.9	3.549	226	65	0	0	0	0	226
06-08	34.3	3.561	394	126	0	0	0	0	394
09-11	34.0	3.876	507	174	0	0	0	0	507
12-14	34.7	3.915	511	138	0	0	0	0	511
15-17	35.1	3.773	471	115	0	0	0	0	471
18-20	34.8	3.639	308	79	0	0	0	0	308
21-23	34.7	3.466	226	64	0	0	0	0	226
ALL HOURS	34.6	3.744	2869	830	0	0	0	0	2869

MONTH: DEC

00-02	30.6	5.123	279	174	0	0	0	0	279
03-05	30.6	4.854	278	171	0	0	0	0	278
06-08	31.4	4.915	464	245	0	0	0	0	464
09-11	31.3	5.002	525	280	0	0	0	0	525
12-14	32.0	4.554	518	265	0	0	0	0	518
15-17	31.9	4.443	513	252	0	0	0	0	513
18-20	30.8	4.855	325	204	0	0	0	0	325
21-23	30.2	4.982	280	189	0	0	0	0	280
ALL HOURS	31.2	4.810	3182	1780	0	0	0	0	3182

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	37.5	8.555	4232	1091	252	1	0	0	4232
03-05	37.7	8.392	4551	1134	267	0	0	0	4551
06-08	37.7	8.062	6512	1617	327	0	0	0	6512
09-11	38.1	8.432	7064	1713	528	0	0	0	7064
12-14	39.3	8.693	6923	1444	798	3	0	0	6923
15-17	39.5	8.779	6625	1289	855	6	0	0	6625
18-20	38.6	8.898	4720	1090	459	1	0	0	4720
21-23	37.9	8.681	4242	1027	296	1	0	0	4242
ALL HOURS	38.4	8.586	44869	10405	3782	12	0	0	44869

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	25.9	7.129	369	191	8	369	0	369
03-05	25.6	7.267	370	197	12	370	0	370
06-08	26.1	7.082	555	271	18	555	0	555
09-11	26.3	6.808	626	307	15	626	0	626
12-14	26.7	6.581	623	296	14	623	0	623
15-17	27.0	6.413	612	269	7	612	0	612
18-20	26.3	6.491	428	214	1	428	0	428
21-23	25.8	6.982	369	199	9	369	0	369
ALL HOURS	26.3	6.857	3952	1944	84	3952	0	3952

MONTH: FEB

00-02	24.5	8.015	333	192	4	333	0	560
03-05	24.6	7.895	332	192	8	332	0	560
06-08	26.4	7.621	494	243	29	494	0	560
09-11	26.9	7.534	566	260	39	566	0	560
12-14	27.3	7.778	560	235	40	560	0	560
15-17	27.0	7.819	540	238	40	540	0	560
18-20	25.6	8.238	400	201	19	400	0	560
21-23	24.5	8.248	334	186	5	334	0	560
ALL HOURS	26.1	7.969	3559	1747	184	3559	0	3559



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	26.3	7.363	333	176	21	333	0	333
03-05	26.2	7.459	333	176	20	333	0	333
06-08	27.5	6.680	525	225	28	525	0	525
09-11	27.6	6.401	586	251	26	586	0	586
12-14	28.1	6.691	569	232	38	569	0	569
15-17	28.6	6.691	556	201	39	556	0	556
18-20	27.7	6.970	404	173	32	404	0	404
21-23	26.8	7.391	333	163	27	333	0	333
ALL HOURS	27.5	6.961	3639	1597	231	3639	0	3639

MONTH: APR

00-02	30.9	4.407	360	68	27	360	0	503
03-05	30.6	4.538	405	84	38	405	0	503
06-08	30.5	4.610	520	117	40	520	0	503
09-11	30.7	4.483	522	111	40	522	0	503
12-14	31.5	4.565	503	93	66	503	0	503
15-17	32.1	4.502	490	80	82	490	0	503
18-20	31.2	4.361	392	77	37	392	0	503
21-23	31.1	4.313	361	57	24	361	0	503
ALL HOURS	31.1	4.576	3553	687	354	3553	0	3553

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.9	3.180	371	7	132	371	0	371
03-05	34.7	3.044	415	7	133	415	0	415
06-08	34.8	3.303	533	10	177	533	0	533
09-11	35.4	3.468	541	11	218	541	0	541
12-14	36.3	3.672	518	4	232	518	0	518
15-17	36.5	3.712	509	4	253	509	0	509
18-20	35.9	3.491	407	3	170	407	0	407
21-23	35.1	3.400	374	8	127	374	0	374
ALL HOURS	35.5	3.545	3668	54	1442	3668	0	3668

MONTH: JUN

00-02	40.1	3.609	447	0	366	447	0	674
03-05	39.8	3.578	501	1	421	501	0	674
06-08	39.7	3.430	665	0	552	665	0	674
09-11	40.6	3.413	689	1	621	689	0	674
12-14	41.5	3.579	674	1	619	674	0	674
15-17	41.8	3.654	638	0	591	638	0	674
18-20	41.6	3.654	476	0	433	475	0	674
21-23	40.9	3.657	450	0	392	450	0	674
ALL HOURS	40.8	3.697	4540	3	3995	4539	0	4540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	45.3	3.808	442	0	441	435	0	442
03-05	45.1	3.583	492	0	489	489	0	492
06-08	45.2	3.368	654	0	653	648	0	654
09-11	45.8	3.390	696	0	696	689	0	696
12-14	46.7	3.648	676	0	675	661	0	676
15-17	46.9	3.732	634	0	632	621	1	634
18-20	46.5	4.058	464	0	464	451	0	464
21-23	45.7	4.036	443	0	442	433	0	443
ALL HOURS	46.0	3.808	4501	0	4492	4427	1	4501

MONTH: AUG

00-02	47.7	4.985	372	0	369	339	0	614
03-05	47.4	5.121	413	0	406	378	0	614
06-08	46.9	4.765	578	0	571	541	0	614
09-11	47.8	4.692	612	0	612	559	0	614
12-14	48.6	4.754	614	0	613	555	0	614
15-17	49.1	4.824	569	0	569	507	0	614
18-20	48.5	5.392	396	0	392	341	0	614
21-23	47.7	5.064	373	0	369	337	0	614
ALL HOURS	48.0	5.005	3927	0	3901	3557	0	3927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	41.5	4.554	359	0	301	356	1	359
03-05	41.4	3.965	405	0	350	405	0	405
06-08	41.7	3.827	573	0	504	573	0	573
09-11	41.8	4.021	599	1	538	599	0	599
12-14	42.7	4.206	581	0	535	580	0	581
15-17	42.9	4.287	548	0	506	544	0	548
18-20	42.0	4.407	373	0	329	370	0	373
21-23	41.6	4.313	360	1	316	356	1	360
ALL HOURS	42.0	4.256	3798	2	3379	3783	2	3798

MONTH: OCT

00-02	35.3	4.733	341	16	127	341	0	576
03-05	35.8	4.578	381	13	156	381	0	576
06-08	36.4	4.552	557	27	283	557	0	576
09-11	36.4	4.617	595	26	312	595	0	576
12-14	37.1	4.488	576	19	334	576	0	576
15-17	37.2	4.485	545	18	324	545	0	576
18-20	36.1	4.783	347	18	171	347	0	576
21-23	35.6	4.597	339	14	140	339	0	576
ALL HOURS	36.4	4.691	3681	151	1847	3681	0	3681

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	31.8	4.650	226	38	35	226	0	226
03-05	31.7	4.708	226	44	33	226	0	226
06-08	31.3	4.214	394	58	39	394	0	394
09-11	30.9	4.590	507	109	55	507	0	507
12-14	31.1	4.872	511	100	66	511	0	511
15-17	31.3	4.619	471	97	66	471	0	471
18-20	31.4	4.698	308	65	46	308	0	308
21-23	31.4	4.570	226	44	28	226	0	226
ALL HOURS	31.3	4.686	2869	555	368	2869	0	2869

MONTH: DEC

00-02	27.7	5.848	279	137	12	279	0	518
03-05	27.7	5.555	278	130	9	278	0	518
06-08	28.3	5.931	464	199	23	464	0	518
09-11	28.2	5.852	525	238	32	525	0	518
12-14	28.6	5.507	518	219	35	518	0	518
15-17	28.6	5.351	513	208	24	513	0	518
18-20	27.7	5.608	325	170	15	325	0	518
21-23	27.2	5.920	280	150	9	280	0	518
ALL HOURS	28.1	5.737	3182	1451	159	3182	0	3182

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	35.0	9.369	4232	825	1843	4189	1	4232
03-05	35.2	9.236	4551	844	2075	4513	0	4551
06-08	35.2	8.855	6512	1150	2917	6469	0	6512
09-11	35.3	9.040	7064	1315	3204	7004	0	7064
12-14	36.0	9.266	6923	1199	3267	6848	0	6923
15-17	36.1	9.275	6625	1115	3133	6546	1	6625
18-20	35.4	9.503	4720	921	2109	4648	0	4720
21-23	35.2	9.477	4242	822	1888	4192	1	4242
ALL HOURS	35.5	9.233	44869	8191	20436	44409	3	44869

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	99.5	95.1	83.7	64.2	31.2	81.9	369
03-05	100.0	100.0	100.0	100.0	98.9	94.9	82.7	58.4	25.9	80.4	370
06-08	100.0	100.0	100.0	100.0	99.3	96.2	82.9	61.3	29.0	81.2	555
09-11	100.0	100.0	100.0	100.0	99.4	96.5	84.8	59.9	26.0	81.2	626
12-14	100.0	100.0	100.0	99.8	98.9	95.2	79.0	54.6	25.5	79.8	623
15-17	100.0	100.0	100.0	100.0	99.3	95.4	80.4	54.7	23.9	79.9	612
18-20	100.0	100.0	100.0	100.0	99.1	95.1	82.5	60.7	29.4	81.2	428
21-23	100.0	100.0	100.0	100.0	99.5	92.4	80.8	59.1	27.4	80.5	369
ALL HOURS	100.0	100.0	100.0	100.0	99.2	95.3	82.0	58.7	27.0	80.7	3952

MONTH: FEB

00-02	100.0	100.0	100.0	100.0	99.7	96.4	86.8	64.6	27.6	81.8	333
03-05	100.0	100.0	100.0	100.0	100.0	97.6	86.7	64.8	30.4	82.4	332
06-08	100.0	100.0	100.0	99.8	99.6	97.6	88.3	70.0	35.4	83.3	494
09-11	100.0	100.0	100.0	100.0	99.8	98.2	88.7	67.8	37.3	83.5	566
12-14	100.0	100.0	100.0	99.6	99.1	96.6	83.0	59.8	28.4	81.1	560
15-17	100.0	100.0	100.0	100.0	98.7	95.9	82.6	53.7	25.4	80.0	540
18-20	100.0	100.0	100.0	100.0	99.0	97.3	83.0	59.5	28.8	81.3	400
21-23	100.0	100.0	100.0	100.0	100.0	97.0	83.8	62.3	32.0	82.0	334
ALL HOURS	100.0	100.0	100.0	99.9	99.4	97.1	85.4	62.7	30.8	81.9	3559

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%						
00-02	100.0	100.0	100.0	100.0	100.0	99.1	87.7	66.1	36.6	83.4		333
03-05	100.0	100.0	100.0	100.0	100.0	97.9	87.1	64.6	36.9	83.3		333
06-08	100.0	100.0	100.0	100.0	100.0	98.3	91.6	69.1	39.0	84.4		525
09-11	100.0	100.0	100.0	100.0	100.0	98.0	87.2	61.3	33.3	82.5		586
12-14	100.0	100.0	100.0	100.0	98.6	93.0	74.9	51.1	24.8	78.6		569
15-17	100.0	100.0	100.0	100.0	98.4	93.9	77.5	47.8	20.5	78.2		556
18-20	100.0	100.0	100.0	100.0	99.5	94.8	81.2	50.0	25.2	79.8		404
21-23	100.0	100.0	100.0	100.0	99.7	98.5	87.7	60.1	35.7	82.4		333
ALL HOURS	100.0	100.0	100.0	100.0	99.5	96.4	83.8	58.1	30.8	81.4		3639

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.7	99.4	92.5	72.2	38.1	84.2	360
03-05	100.0	100.0	100.0	100.0	100.0	99.8	90.6	71.6	37.3	84.3	405
06-08	100.0	100.0	100.0	100.0	100.0	98.8	94.6	75.0	36.7	85.0	520
09-11	100.0	100.0	100.0	99.8	99.6	98.5	88.7	60.2	28.0	81.9	522
12-14	100.0	100.0	100.0	99.0	98.4	94.0	81.7	49.7	22.5	79.1	503
15-17	100.0	100.0	100.0	99.6	98.0	95.1	83.1	51.0	19.2	79.4	490
18-20	100.0	100.0	100.0	99.2	98.7	94.9	83.4	57.9	23.7	80.2	392
21-23	100.0	100.0	100.0	100.0	99.2	98.6	92.0	70.1	33.0	83.4	361
ALL HOURS	100.0	100.0	100.0	99.7	99.2	97.3	88.2	62.9	29.4	82.1	3553



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.7	97.6	79.2	36.7	85.9	371
03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.1	79.3	42.7	86.6	415
06-08	100.0	100.0	100.0	100.0	100.0	99.8	97.2	78.6	37.7	85.9	533
09-11	100.0	100.0	100.0	100.0	99.4	98.2	89.1	55.6	26.4	81.8	541
12-14	100.0	100.0	100.0	100.0	99.6	95.2	79.0	44.4	18.7	78.2	518
15-17	100.0	100.0	100.0	100.0	99.6	93.5	74.5	42.4	17.1	77.0	509
18-20	100.0	100.0	100.0	100.0	99.3	94.3	81.3	47.7	18.7	78.8	407
21-23	100.0	100.0	100.0	100.0	99.7	97.9	92.2	61.5	30.2	82.7	374
ALL HOURS	100.0	100.0	100.0	100.0	99.7	97.2	88.1	60.3	28.1	82.0	3668

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	100.0	99.6	97.5	81.9	42.5	87.0	447
03-05	100.0	100.0	100.0	100.0	100.0	99.8	99.0	81.4	48.9	88.0	501
06-08	100.0	100.0	100.0	100.0	100.0	99.8	98.9	79.7	43.6	87.3	665
09-11	100.0	100.0	100.0	100.0	100.0	99.7	94.0	67.9	27.4	83.9	689
12-14	100.0	100.0	100.0	100.0	99.9	98.4	85.6	55.9	16.5	80.0	674
15-17	100.0	100.0	100.0	100.0	99.5	94.5	77.7	48.9	16.3	78.0	638
18-20	100.0	100.0	100.0	100.0	99.8	97.3	86.1	60.3	21.8	80.8	476
21-23	100.0	100.0	100.0	100.0	100.0	98.9	94.2	72.7	32.0	84.8	450
ALL HOURS	100.0	100.0	100.0	100.0	99.9	98.5	91.3	67.7	30.3	83.5	4540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	100.0	99.5	97.7	91.0	47.3	88.4	442
03-05	100.0	100.0	100.0	100.0	100.0	99.4	97.8	91.7	52.2	89.1	492
06-08	100.0	100.0	100.0	100.0	100.0	99.7	97.7	91.4	55.0	89.2	654
09-11	100.0	100.0	100.0	100.0	100.0	99.4	95.4	74.0	33.0	84.6	696
12-14	100.0	100.0	100.0	100.0	99.7	97.5	85.8	63.2	19.8	80.7	676
15-17	100.0	100.0	100.0	100.0	100.0	97.5	84.9	60.4	16.2	80.0	634
18-20	100.0	100.0	100.0	100.0	100.0	99.4	92.2	71.3	23.1	83.1	464
21-23	100.0	100.0	100.0	100.0	100.0	99.8	96.6	82.2	36.6	86.3	443
ALL HOURS	100.0	100.0	100.0	100.0	100.0	98.9	93.1	77.1	34.7	84.9	4501

MONTH: AUG

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.1	83.9	39.5	86.8	372
03-05	100.0	100.0	100.0	100.0	100.0	99.3	97.6	87.2	41.9	87.2	413
06-08	100.0	100.0	100.0	100.0	99.5	99.1	97.6	84.1	42.4	87.2	578
09-11	100.0	100.0	100.0	100.0	99.8	98.7	92.6	68.5	27.8	83.4	612
12-14	100.0	100.0	100.0	99.8	99.5	97.4	81.9	55.4	16.1	79.6	614
15-17	100.0	100.0	100.0	100.0	99.8	97.9	79.4	49.7	15.6	78.6	569
18-20	100.0	100.0	100.0	100.0	99.5	96.7	84.8	55.8	19.9	80.1	396
21-23	100.0	100.0	100.0	100.0	100.0	99.5	95.2	77.5	30.3	84.8	373
ALL HOURS	100.0	100.0	100.0	100.0	99.7	98.5	90.3	69.0	28.4	83.2	3927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	100.0	93.9	65.5	32.0	84.0	359
03-05	100.0	100.0	100.0	100.0	100.0	100.0	94.6	70.6	27.7	84.3	405
06-08	100.0	100.0	100.0	100.0	100.0	99.7	95.8	75.6	30.7	84.8	573
09-11	100.0	100.0	100.0	100.0	99.8	99.3	92.3	60.4	20.5	81.9	599
12-14	100.0	100.0	100.0	100.0	100.0	97.2	80.0	50.1	15.3	78.8	581
15-17	100.0	100.0	100.0	100.0	99.8	97.3	77.7	49.6	15.3	78.5	548
18-20	100.0	100.0	100.0	100.0	100.0	97.9	87.4	56.8	22.8	81.1	373
21-23	100.0	100.0	100.0	100.0	100.0	99.4	94.2	63.3	25.8	83.0	360
ALL HOURS	100.0	100.0	100.0	100.0	99.9	98.8	88.9	61.1	23.1	81.8	3798

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	99.1	96.8	83.9	50.4	21.7	79.7	341
03-05	100.0	100.0	100.0	99.5	99.5	97.4	89.2	51.4	19.4	80.6	381
06-08	100.0	100.0	100.0	100.0	99.8	97.1	89.0	60.5	18.7	81.5	557
09-11	100.0	100.0	100.0	100.0	99.5	96.1	85.5	51.8	17.0	79.9	595
12-14	100.0	100.0	100.0	100.0	99.3	94.8	78.1	39.9	11.3	77.1	576
15-17	100.0	100.0	100.0	100.0	99.1	93.2	78.3	37.2	9.5	76.3	545
18-20	100.0	100.0	100.0	100.0	98.8	94.8	81.6	45.2	13.5	78.4	347
21-23	100.0	100.0	100.0	100.0	99.1	97.3	85.8	48.4	18.3	79.7	339
ALL HOURS	100.0	100.0	100.0	99.9	99.3	95.8	83.7	48.0	15.7	79.0	3681

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.6	99.6	99.6	98.2	81.9	58.0	34.5	82.1		226
03-05	100.0	100.0	100.0	99.6	99.1	96.5	86.7	55.3	22.1	81.0		226
06-08	100.0	100.0	100.0	100.0	100.0	99.0	88.6	58.6	23.6	81.5		394
09-11	100.0	100.0	100.0	100.0	100.0	98.6	85.0	54.4	24.1	80.9		507
12-14	100.0	100.0	100.0	100.0	100.0	95.9	76.5	47.4	17.0	78.3		511
15-17	100.0	100.0	100.0	99.8	99.8	96.8	77.1	42.7	14.9	77.8		471
18-20	100.0	100.0	100.0	100.0	99.7	98.7	82.8	50.3	19.8	79.6		308
21-23	100.0	100.0	100.0	100.0	99.1	98.2	84.5	50.4	25.7	80.4		226
ALL HOURS	100.0	100.0	100.0	99.9	99.8	97.7	82.3	51.4	21.6	79.9		2869

MONTH: DEC

00-02	100.0	100.0	100.0	100.0	100.0	98.9	88.5	60.6	32.6	83.0		279
03-05	100.0	100.0	100.0	100.0	100.0	99.3	86.3	60.8	32.7	82.5		278
06-08	100.0	100.0	100.0	100.0	100.0	97.8	88.6	59.5	29.7	82.1		464
09-11	100.0	100.0	100.0	100.0	100.0	97.7	85.5	62.3	25.5	81.8		525
12-14	100.0	100.0	100.0	100.0	99.8	98.1	82.8	53.1	22.0	80.3		518
15-17	100.0	100.0	100.0	100.0	100.0	97.9	83.2	56.3	22.6	80.6		513
18-20	100.0	100.0	100.0	100.0	100.0	98.2	83.7	57.5	29.8	81.6		325
21-23	100.0	100.0	100.0	100.0	100.0	98.9	85.0	59.3	31.8	82.2		280
ALL HOURS	100.0	100.0	100.0	100.0	100.0	98.2	85.3	58.4	27.3	81.6		3182

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	99.8	98.6	91.5	71.2	35.6	84.3	4232
03-05	100.0	100.0	100.0	99.9	99.8	98.6	92.2	71.6	36.3	84.6	4551
06-08	100.0	100.0	100.0	100.0	99.8	98.6	93.0	72.9	35.9	84.7	6512
09-11	100.0	100.0	100.0	100.0	99.8	98.3	89.3	62.4	27.3	82.3	7064
12-14	100.0	100.0	100.0	99.9	99.4	96.2	80.9	52.4	19.8	79.3	6923
15-17	100.0	100.0	100.0	100.0	99.4	95.7	79.8	49.8	18.1	78.7	6625
18-20	100.0	100.0	100.0	99.9	99.4	96.6	84.3	56.6	23.1	80.6	4720
21-23	100.0	100.0	100.0	100.0	99.7	98.1	89.9	65.1	30.2	82.9	4242
ALL HOURS	100.0	100.0	100.0	100.0	99.6	97.5	87.2	61.9	27.5	82.0	44869

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	1005.2	996.4	1009.5	1007.2	1005.1	1011.3	1014.3	1014.7	1012.2	1002.2	1001.6	999.1	1007.2
	SD	18.316	15.084	12.859	14.973	10.078	11.372	7.509	8.050	10.428	13.287	17.863	16.936	14.291
	TOT OBS	123	110	111	120	124	149	148	124	120	114	68	93	1404
0300	MEAN	1005.4	996.3	1009.2	1007.1	1004.9	1011.0	1014.1	1014.5	1012.0	1002.3	998.2	999.0	1006.8
	SD	18.556	15.216	13.135	14.787	10.269	11.469	7.502	8.095	10.453	12.923	17.684	16.850	14.469
	TOT OBS	123	110	111	120	123	150	146	124	119	112	90	93	1421
0600	MEAN	1005.2	995.9	1008.7	1006.9	1004.5	1010.9	1013.8	1014.2	1011.5	1001.7	1000.9	998.9	1006.7
	SD	18.596	15.214	13.534	14.618	10.113	11.89	7.657	8.186	10.492	12.841	18.535	16.803	14.365
	TOT OBS	124	111	111	120	124	149	146	124	118	112	67	93	1399
0900	MEAN	1005.2	995.8	1008.9	1007.1	1004.7	1011.0	1013.9	1014.3	1011.7	1001.8	998.9	998.9	1006.7
	SD	18.686	15.303	13.569	14.538	9.939	11.263	7.691	8.286	10.457	12.577	17.049	16.763	14.389
	TOT OBS	124	110	111	120	124	151	148	124	119	113	90	93	1427
1200	MEAN	1005.8	996.1	1009.3	1007.4	1004.8	1011.2	1014.1	1014.3	1011.8	1002.0	999.7	999.5	1006.9
	SD	18.748	15.196	13.577	14.499	9.817	11.229	7.764	8.511	10.460	12.652	16.491	16.547	14.286
	TOT OBS	124	110	111	121	124	150	148	124	120	113	90	93	1428
1500	MEAN	1005.2	995.9	1009.1	1007.3	1004.7	1011.0	1014.1	1014.2	1011.1	1001.5	999.2	998.9	1006.6
	SD	18.717	15.020	13.393	14.563	9.881	11.178	7.793	8.628	10.609	12.678	16.427	16.379	14.297
	TOT OBS	124	110	112	120	124	150	148	124	121	112	90	93	1428
1800	MEAN	1005.3	995.8	1008.8	1006.9	1004.4	1010.9	1014.0	1014.1	1011.0	1001.0	999.1	998.8	1006.4
	SD	18.545	14.741	13.334	14.554	9.825	11.172	7.585	8.554	10.476	13.371	16.707	16.401	14.309
	TOT OBS	124	112	111	119	124	150	147	124	120	113	90	93	1427
2100	MEAN	1005.3	996.3	1009.2	1007.2	1004.6	1011.0	1014.0	1014.4	1011.3	1001.4	999.2	998.9	1006.7
	SD	18.546	14.799	13.368	14.483	9.851	11.191	7.557	8.182	10.408	13.874	17.034	16.562	14.344
	TOT OBS	123	111	111	120	124	150	147	124	120	113	90	93	1426
ALL HOURS	MEAN	1005.3	996.1	1009.1	1007.1	1004.7	1011.0	1014.0	1014.3	1011.6	1001.8	999.5	999.0	1006.8
	SD	18.590	15.074	13.351	14.629	9.975	11.284	7.635	8.316	10.480	13.039	17.200	16.657	14.346
	TOT OBS	989	884	889	960	991	1199	1178	992	957	902	675	744	11360



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	29.67	29.41	29.79	29.73	29.67	29.85	29.94	29.95	29.87	29.58	29.57	29.49	29.73
	SD	.540	.445	.379	.437	.298	.336	.222	.238	.308	.394	.532	.505	.422
	TOT OBS	123	112	111	119	124	149	148	124	120	114	68	93	1405
0300	MEAN	29.67	29.40	29.79	29.72	29.66	29.84	29.93	29.94	29.87	29.58	29.47	29.49	29.71
	SD	.548	.448	.387	.436	.303	.339	.222	.238	.309	.384	.525	.503	.427
	TOT OBS	122	110	111	120	124	151	148	124	118	112	90	93	1423
0600	MEAN	29.63	29.55	29.75	29.74	29.69	29.85	29.94	29.89	29.82	29.63	29.58	29.48	29.73
	SD	.525	.492	.422	.417	.312	.319	.231	.260	.324	.383	.487	.479	.414
	TOT OBS	171	158	161	170	175	210	190	175	171	168	112	145	2006
0900	MEAN	29.59	29.53	29.76	29.74	29.70	29.83	29.95	29.92	29.81	29.62	29.55	29.50	29.72
	SD	.542	.496	.429	.411	.310	.316	.225	.266	.335	.376	.442	.456	.418
	TOT OBS	210	191	199	177	182	228	229	204	198	201	173	177	2369
1200	MEAN	29.61	29.53	29.78	29.75	29.71	29.83	29.95	29.92	29.81	29.63	29.57	29.51	29.73
	SD	.538	.500	.421	.418	.306	.317	.229	.277	.349	.373	.437	.457	.418
	TOT OBS	211	186	193	170	179	226	230	206	196	194	174	177	2342
1500	MEAN	29.60	29.54	29.79	29.75	29.68	29.83	29.95	29.92	29.81	29.62	29.57	29.48	29.72
	SD	.540	.495	.410	.412	.301	.314	.228	.275	.344	.380	.443	.451	.417
	TOT OBS	206	182	185	170	178	225	225	201	188	190	159	173	2282
1800	MEAN	29.62	29.52	29.76	29.74	29.66	29.83	29.94	29.93	29.83	29.56	29.54	29.48	29.70
	SD	.535	.479	.392	.416	.283	.325	.227	.253	.319	.400	.458	.465	.422
	TOT OBS	180	168	172	135	141	165	160	139	129	126	129	138	1782
2100	MEAN	29.67	29.41	29.79	29.72	29.65	29.84	29.93	29.94	29.85	29.56	29.49	29.49	29.71
	SD	.546	.438	.396	.426	.290	.331	.222	.242	.307	.412	.509	.494	.424
	TOT OBS	123	110	111	121	126	150	148	125	120	113	90	93	1430
ALL HOURS	MEAN	29.63	29.50	29.77	29.74	29.68	29.84	29.94	29.92	29.83	29.61	29.55	29.49	29.72
	SD	.540	.483	.408	.420	.302	.323	.226	.260	.329	.387	.471	.471	.420
	TOT OBS	1346	1217	1243	1182	1229	1504	1478	1298	1240	1218	995	1089	15039

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	29.65	29.39	29.78	29.72	29.65	29.83	29.92	29.93	29.86	29.57	29.55	29.48	29.72
	SD	.543	.447	.381	.440	.299	.336	.223	.237	.309	.392	.526	.498	.422
	TOT OBS	123	112	111	119	124	149	148	124	120	114	68	93	1405
0300	MEAN	29.66	29.39	29.77	29.71	29.65	29.83	29.91	29.93	29.85	29.57	29.45	29.47	29.70
	SD	.552	.450	.388	.439	.303	.339	.223	.239	.310	.381	.520	.496	.427
	TOT OBS	122	110	111	120	124	151	148	124	118	112	90	93	1423
0600	MEAN	29.61	29.55	29.73	29.73	29.68	29.83	29.93	29.88	29.81	29.61	29.55	29.48	29.71
	SD	.528	.507	.411	.418	.311	.319	.230	.261	.325	.386	.491	.466	.414
	TOT OBS	172	158	158	170	175	208	192	173	171	172	112	145	2006
0900	MEAN	29.58	29.51	29.75	29.73	29.69	29.81	29.93	29.90	29.80	29.61	29.53	29.49	29.70
	SD	.545	.495	.430	.412	.309	.316	.225	.267	.336	.374	.437	.451	.418
	TOT OBS	209	191	199	177	182	228	229	204	198	201	173	178	2369
1200	MEAN	29.60	29.51	29.76	29.73	29.69	29.82	29.94	29.91	29.79	29.62	29.56	29.49	29.71
	SD	.540	.500	.422	.420	.305	.318	.229	.278	.350	.373	.433	.453	.418
	TOT OBS	211	186	193	170	179	226	230	206	196	194	174	177	2342
1500	MEAN	29.58	29.52	29.77	29.73	29.67	29.82	29.94	29.90	29.79	29.60	29.55	29.46	29.71
	SD	.542	.496	.410	.414	.300	.314	.228	.276	.344	.378	.435	.447	.416
	TOT OBS	206	182	185	170	178	225	226	200	188	190	160	172	2282
1800	MEAN	29.60	29.50	29.75	29.73	29.65	29.82	29.93	29.91	29.82	29.55	29.53	29.47	29.69
	SD	.536	.478	.394	.419	.283	.326	.227	.254	.318	.399	.452	.460	.422
	TOT OBS	180	168	172	135	141	165	160	139	129	126	129	138	1782
2100	MEAN	29.66	29.40	29.77	29.71	29.64	29.83	29.92	29.93	29.83	29.55	29.48	29.47	29.70
	SD	.548	.439	.397	.429	.290	.330	.223	.241	.308	.410	.501	.487	.423
	TOT OBS	123	110	111	121	126	150	148	125	120	113	90	93	1430
ALL HOURS	MEAN	29.61	29.48	29.76	29.72	29.67	29.82	29.93	29.91	29.81	29.59	29.53	29.48	29.70
	SD	.542	.485	.408	.422	.302	.323	.227	.261	.329	.385	.466	.465	.419
	TOT OBS	1346	1217	1240	1182	1229	1502	1481	1295	1240	1222	996	1089	15039

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRR	TT	GG
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	9.5	3.3	.8	368	12.3	6.5	1.9	367	12.5	5.0	1.4	558	11.3	4.3	1.1	631
CATEGORY B	9.5	3.3	.8	368	12.2	6.5	1.9	368	14.8	7.2	2.7	559	16.4	8.4	4.1	657

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	10.8	4.4	1.7	630	11.1	4.2	1.6	620	12.1	4.4	1.6	428	10.6	4.3	1.1	369
CATEGORY B	14.9	7.5	3.4	670	13.2	6.9	2.8	650	13.3	5.1	2.3	435	10.6	4.3	1.1	369

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	11.5	4.5	1.5	2867	11.3	4.5	1.4	3971
CATEGORY B	14.6	7.1	3.1	2971	13.6	6.5	2.6	4076

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	13.5	3.6	1.2	334	12.3	2.7	1.5	332	10.8	3.0	1.6	502	11.8	3.2	.5	566
CATEGORY B	13.5	3.6	1.2	334	12.3	2.7	1.5	332	14.9	6.0	2.4	503	16.5	7.7	3.9	587

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	12.9	3.5	1.8	567	13.3	5.6	2.0	549	14.7	5.1	.5	409	15.9	6.6	.6	334
CATEGORY B	15.1	7.1	4.6	590	15.8	8.7	4.8	565	16.5	7.3	1.7	411	15.9	6.6	.6	334

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	12.6	4.0	1.3	2593	13.0	4.1	1.3	3593
CATEGORY B	15.7	7.4	3.6	2656	15.2	6.5	2.9	3656

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	9.6	3.3		332	10.9	2.4		330	10.6	3.4	.8	528	8.3	3.0	.8	593
CATEGORY B	9.6	3.3		332	10.9	2.4		330	13.4	4.7	.9	531	11.6	4.6	1.5	606

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	8.6	3.3	1.0	579	8.5	2.8	.7	562	11.2	4.2	.7	409	13.5	3.3	.3	333
CATEGORY B	12.1	5.5	2.5	596	13.6	6.5	1.9	581	12.7	5.4	1.2	411	13.5	3.3	.3	333

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	9.3	3.3	.8	2671	9.9	3.2	.6	3666
CATEGORY B	12.6	5.4	1.7	2725	12.3	4.7	1.2	3720

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	5.3	2.0	.8	358	3.7	1.0		405	5.2	1.2		520	3.4	.6		523
CATEGORY B	5.3	2.0	.8	358	4.2	1.0	.2	406	6.9	2.1	.8	521	5.5	1.9	.2	530

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.2	2.0		506	5.7	1.2		491	4.6	1.3		393	5.8	2.2	1.1	361
CATEGORY B	6.5	2.5		510	7.1	2.0		494	5.3	1.8		398	5.8	2.2	1.1	361

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.6	1.2		2433	4.7	1.4	.2	3557
CATEGORY B	6.3	2.1	.2	2453	5.9	2.0	.4	3578



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.6			372	2.4	.5	.2	415	2.4			533	3.0	.9	.2	542
CATEGORY B	1.6			372	2.4	.5	.2	415	3.6	.2		533	3.7	1.1	.2	542

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.2	1.2	.6	521	3.1	1.0		509	2.5	.5	.5	403	.8			371
CATEGORY B	5.2	1.5	.6	521	4.9	1.2		509	2.5	.5	.5	403	1.1			371

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.1	.7	.2	2508	2.6	.5	.2	3666
CATEGORY B	4.0	.9	.2	2508	3.3	.7	.2	3666

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MA. 45 - MAR 90  
MONTH: JUN

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

.....  
CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

.....  
TIME (LST) | 0000 - 0200 | 0300 - 0500 | 0600 - 0800 | 0900 - 1100  
SPEED (KTS) | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | 2.0 .9 .4 448 | 3.4 .8 .500 | 2.2 .4 .1 667 | 2.9 .6 .1 689  
CATEGORY B | 2.0 .9 .4 448 | 3.6 .8 .500 | 2.7 1.3 .3 669 | 4.0 1.3 .3 695  
.....

.....  
TIME (LST) | 1200 - 1400 | 1500 - 1700 | 1800 - 2000 | 2100 - 2300  
SPEED (KTS) | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | 3.8 .7 .1 676 | 4.0 1.1 .2 642 | 4.4 .8 .6 475 | 2.9 .9 .4 451  
CATEGORY B | 4.9 1.2 .4 678 | 4.7 1.9 .8 645 | 4.6 .8 .6 475 | 3.1 .9 .4 451  
.....

.....  
TIME (LST) | 0600 - 2000 | ALL HOURS  
SPEED KTS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | 3.4 .7 .2 3149 | 3.2 .8 .2 4548  
CATEGORY B | 4.1 1.3 .5 3162 | 3.8 1.2 .4 4561  
.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.1			441	2.5	1.0	.2	489	1.8	.3		650	.6	.1		693
CATEGORY B	1.1			441	2.5	1.0	.2	489	2.0	.3		652	1.6	.4		698

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.5			673	2.2	.3	.2	635	1.7	.2		464	1.1			441
CATEGORY B	3.3	.4	.1	675	2.8	.6	.2	637	2.2	.2		465	1.4			441

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.8	.2	.0	3115	1.7	.2	.0	4486
CATEGORY B	2.4	.4	.1	3127	2.2	.4	.1	4498

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 MAR 90  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.8	.8	.3	372	1.9	.5		414	1.2	.2	.2	578	3.6	1.1	.2	614
CATEGORY B	3.8	.8	.3	372	2.2	.7		414	1.5	.5	.2	584	4.7	1.9	.5	623

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.2	.7		612	4.9	.7	.7	572	4.0			396	4.8	1.1	.8	373
CATEGORY B	6.3	2.9	1.3	621	5.8	1.9	.9	573	4.0	.3		396	4.8	1.1	.8	373

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.6	.6	.2	2772	3.5	.6	.3	3931
CATEGORY B	4.5	1.6	.6	2797	4.2	1.4	.5	3956

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.6	.8		359	3.4	1.0	.2	407	5.2	1.0	.3	578	5.6	.8	.5	602
CATEGORY B	4.5	.8		359	3.4	2.0	1.0	407	8.5	2.9	1.4	579	9.2	2.5	1.5	607

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.9	1.0	.3	588	5.4	.9	.2	553	5.8	1.9	.5	377	5.6	2.2	.8	360
CATEGORY B	6.9	3.5	2.5	592	7.9	2.5	.9	554	6.4	1.9	1.1	377	6.7	2.2	.8	360

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	5.4	1.1	.4	2698	5.0	1.2	.4	3824
CATEGORY B	7.9	2.7	1.5	2709	7.0	2.4	1.3	3835

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	14.7	3.8	1.2	341	12.3	2.3	1.0	383	14.0	3.0	1.1	559	12.0	2.8	1.2	598
CATEGORY B	15.2	4.1	1.8	341	14.1	3.4	1.3	384	17.0	5.5	2.9	559	15.1	6.5	3.5	602

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	12.1	3.8	1.4	579	13.9	4.9	.9	552	15.7	4.0	.3	351	12.1	4.4	.6	339
CATEGORY B	16.7	8.4	5.3	581	16.3	9.9	5.4	558	16.4	6.5	2.0	353	12.1	5.0	1.8	339

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	13.3	3.7	1.0	2639	13.2	3.6	1.0	3702
CATEGORY B	16.3	7.4	4.0	2653	15.6	6.5	3.3	3717

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	8.8	2.7	.9	226	9.7	.9	.4	226	6.8	2.8	.8	400	6.8	1.2	.4	513
CATEGORY B	13.7	4.9	1.3	226	12.8	4.0	.9	226	15.8	8.0	2.8	400	14.0	6.7	2.9	522

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	10.9	.8		516	9.5	2.1	.4	475	6.8	2.6	.3	311	7.6	1.8	.4	225
CATEGORY B	17.2	6.6	2.3	529	16.4	8.4	3.9	489	10.0	5.5	1.9	311	10.7	4.4	1.3	225

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	8.3	1.8	.4	2215	8.4	1.8	.4	2892
CATEGORY B	15.0	7.1	2.8	2251	14.4	6.5	2.4	2928

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	10.8	4.3	1.4	279	11.9	2.5	1.4	278	11.1	4.1	.9	468	8.4	1.3	.2	523
CATEGORY B	11.5	5.0	2.5	279	13.3	4.3	3.6	278	14.7	7.7	3.6	468	13.2	7.1	3.2	537

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	9.8	3.3	.2	519	10.9	3.1	.6	512	9.2	3.1	.9	326	7.2	2.5	1.1	279
CATEGORY B	13.9	7.5	4.4	545	16.4	7.7	4.2	519	12.2	5.2	3.1	327	9.3	4.3	2.5	279

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	9.9	2.9	.5	2348	9.9	3.0	.7	3184
CATEGORY B	14.2	7.2	3.8	2396	13.5	6.5	3.5	3232



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: MAY 45 - MAR 90  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	6.6	2.0	.5	4230	6.6	1.8	.5	4546	6.7	1.9	.6	6541	6.4	1.7	.4	7087
CATEGORY B	7.0	2.2	.7	4230	7.1	2.2	.8	4549	9.1	3.6	1.4	6558	9.5	4.1	1.8	7206

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	7.3	2.0	.6	6966	7.6	2.3	.6	6672	7.6	2.3	.5	4742	7.0	2.3	.6	4236
CATEGORY B	10.1	4.5	2.3	7108	10.3	4.8	2.1	6774	8.6	3.2	1.1	4762	7.4	2.6	.8	4236

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	7.1	2.0	.5	32008	7.0	2.0	.6	45020
CATEGORY B	9.6	4.1	1.8	32408	8.9	3.6	1.5	45423

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRR	TT	HHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	HHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 46 - JUL 54

.....  
YEARS | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN  
.....

.....  
MEAN |

SD |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 704890

STATION NAME: DUTCH HARBOR/UNALASKA AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 46 - JUL 54

.....  
YEARS | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN  
.....

.....  
MEAN |

SD |

A W S	STATION NAME: DUTCH HARBOR/UNALASKA AK	FIELD ELEV: 12 FT
CLIMATIC BRIEF	LATITUDE/LONGITUDE: 53 54 N 166 33 W	STATION MSC: 704890
(LIMITED)	HOURLY OBS POR: MAY 45-OCT 47, JUN 52-JUL 54, JUN 87-MAR 90	CALL SIGN: PADU (DUT)
JUL 90	SUMMARY OF DAY POR: JAN 17-DEC 41, MAY 45-OCT 47, DEC 50-JUL 54	SUPERSEDES: NA
	HOURS SUMMARIZED: 00-23L (MAY 45-OCT 47, JUN 52-JUL 54), 06-18L (JUN 87-MAR 90)	
	LST TO UTC: +09	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	58	60	69	61	66	72	79	80	80	63	67	56	80	29
MEAN MAX TEMP (F)	36	36	38	41	46	52	57	60	54	47	41	38	46	29
MEAN TEMP (F)	32	32	34	36	41	47	52	54	49	42	37	34	41	29
MEAN MIN TEMP (F)	28	27	29	31	36	41	46	47	44	37	32	29	36	29
EXTRM MIN TEMP (F)	6	5	5	13	20	30	36	28	29	22	16	10	5	29
D/W TEMP GE 60 (F)	0	#	#	#	#	1	9	13	5	1	#	0	29	29
D/W TEMP GE 50 (F)	1	1	1	1	6	20	30	31	25	9	2	1	128	29
D/W TEMP LT 33 (F)	23	22	23	17	6	1	0	#	1	5	16	22	136	29
D/W TEMP LT 20 (F)	4	3	3	#	0	0	0	0	0	0	#	2	12	29
HEATING DEGREE DAYS	1147	1064	1080	1020	899	720	589	558	630	868	990	1116	10681	*
COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	*
MEAN DEWPOINT TEMP (F)	26	26	27	31	35	40	46	48	42	36	31	28	35	7
MEAN WET BULB TEMP (F)	29	29	30	34	38	43	48	50	44	39	34	31	38	7
99.95% WCPA (FT)	1950	1900	1400	1500	1150	1100	700	800	1100	1500	1800	1850	1500	7
MEAN REL HUM 07 LST(%)	81.2	83.3	84.4	85.0	85.9	87.3	89.2	87.2	84.8	81.5	81.5	82.1	84.7	7
MEAN REL HUM 13 LST(%)	79.8	81.1	78.6	79.1	78.2	80.0	80.7	79.6	78.8	77.1	78.3	80.3	79.3	7
MAX 24HR PRECIP (IN)	2.77	7.58	2.47	3.46	3.64	3.00	4.00	2.07	2.41	3.21	4.74	2.12	7.58	29
MAX PRECIP (IN)	14.00	22.19	12.15	8.06	11.09	6.18	5.77	4.31	10.16	16.01	11.80	15.62	82.97	29
MEAN PRECIP (IN)	5.93	6.63	4.53	4.17	4.37	2.72	1.71	2.13	4.71	7.44	5.40	6.24	54.70	29
MIN PRECIP (IN)	.69	.92	#	#	.18	.11	#	.10	#	.09	.09	.62	5.35	29
D/W PRECIP GE .01 (IN)	20	18	19	18	17	12	12	13	17	22	19	21	208	29
D/W PRECIP GT .50 (IN)	4	4	2	2	3	1	1	1	3	4	3	4	32	29
MAX 24HR SNFL (IN)	10.0	28.0	7.1	5.5	1.9	#	0	0	#	1.5	5.5	12.2	28.0	19
MAX SNFL (IN)	52.6	57.2	39.1	18.0	2.0	#	0	0	#	1.5	20.2	33.5	191.0	19
MEAN SNFL (IN)	18.4	18.8	10.7	7.6	.2	#	0	0	#	.2	6.0	14.6	71.9	19
D/W SNFL GE .1 (IN)	13	12	11	7	1	0	0	0	0	1	6	11	62	19
D/W SNFL GE 1.5 (IN)	4	4	4	2	#	0	0	0	0	#	2	3	19	19
MAX DLY SNO DEPTH (IN)	27	56	56	15	1	0	0	0	0	#	5	20	56	7
PRVLNG WND DIR (DEG)	14-16	14-16	14-16	32-34	14-16	14-16	14-16	14-16	32-34	23-25	23-25	32-34	14-16	7
MEAN WND SPD (KTS)	12	12	11	11	8	8	7	7	9	12	11	10	10	7
MAX WND SPD (KTS)	70	82	70	63	63	54	44	60	60	77	86	90	90	8
SKY COVER GT 5/10 (%)	84.1	71.6	85.6	91.1	92.5	88.8	93.0	87.6	93.5	89.0	86.5	86.4	89.2	7
D/W THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	5
D/W FOG (VSBY LT 7 MI)	7	4	4	4	4	12	20	12	9	8	5	3	92	5

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS

\*\* = INSTANTANEOUS PEAK WINDS

\* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	64.2	82.0	69.1	74.7	69.4	71.1	75.3	63.2	70.5	70.4	67.7	63.4	70.1	7
	03 - 05	63.5	77.4	65.2	70.1	70.0	70.4	72.7	66.7	73.5	68.4	63.7	68.3	69.2	7
	06 - 08	59.9	70.1	61.8	69.3	64.0	71.5	72.1	64.5	65.8	59.5	52.2	60.7	64.3	7
	09 - 11	54.6	67.7	61.9	66.1	63.9	69.8	64.2	56.0	56.4	56.4	48.4	57.0	60.2	7
	12 - 14	56.1	67.3	59.6	65.7	64.3	63.3	61.3	53.8	54.2	50.7	45.3	58.8	58.4	7
	15 - 17	59.5	64.8	59.3	67.3	60.2	58.4	58.0	53.6	60.8	58.4	50.2	56.9	58.9	7
	18 - 20	62.1	71.3	60.6	72.8	64.6	63.1	67.3	56.7	70.6	71.5	60.5	65.0	65.5	7
	21 - 23	62.6	81.1	65.2	75.9	68.1	67.6	71.7	61.7	70.3	69.6	69.5	66.8	69.2	7
	ALL	59.6	71.4	62.2	69.7	65.2	66.7	67.1	59.0	63.9	61.5	54.3	61.0	63.7	7
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	22.0	22.5	20.7	18.9	18.4	22.8	37.4	19.6	18.7	3.8	11.5	14.7	19.2	7
	03 - 05	19.7	22.6	20.1	18.3	15.5	24.0	31.6	20.5	18.2	3.1	13.7	14.4	18.5	7
	06 - 08	20.7	24.4	18.8	15.1	16.9	24.3	33.3	26.0	16.1	5.2	13.0	10.9	18.7	7
	09 - 11	15.9	28.3	22.8	15.3	16.9	21.5	26.9	22.5	11.9	5.0	10.4	10.7	17.3	7
	12 - 14	18.0	26.3	19.9	13.8	12.1	16.9	21.0	16.9	12.6	5.9	10.9	12.5	15.6	7
	15 - 17	18.0	23.1	18.7	14.1	13.9	14.6	19.0	15.2	12.5	7.6	10.3	11.3	14.9	7
	18 - 20	20.8	22.5	18.6	20.6	14.5	15.5	24.9	15.9	19.1	11.4	10.3	12.9	17.2	7
	21 - 23	17.9	26.1	21.3	24.7	17.2	21.7	31.4	18.8	18.6	8.0	13.3	11.4	19.2	7
	ALL	18.8	24.7	20.1	17.1	15.5	20.0	27.6	19.6	15.4	6.1	11.4	12.1	17.8	7
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	13.3	15.3	9.6	8.3	4.6	8.4	15.9	11.3	11.7	1.2	5.8	8.6	9.5	7
	03 - 05	13.8	13.6	10.8	6.9	4.6	11.7	15.5	12.8	9.6	1.0	6.2	9.0	9.6	7
	06 - 08	12.1	18.2	13.0	5.4	3.8	12.2	17.8	18.0	9.0	1.6	7.5	5.6	10.3	7
	09 - 11	10.0	17.8	13.2	6.7	5.7	10.3	13.9	15.8	5.5	2.3	4.9	7.1	9.4	7
	12 - 14	11.6	15.8	9.5	4.5	3.8	7.2	12.0	12.1	5.1	2.4	5.6	6.9	8.0	7
	15 - 17	11.7	15.8	8.4	4.7	3.5	7.7	7.7	9.3	6.5	2.7	5.3	6.2	7.5	7
	18 - 20	13.6	15.1	6.6	5.1	2.9	7.5	8.8	9.8	10.3	6.6	4.8	4.6	8.0	7
	21 - 23	10.8	20.1	9.3	9.7	3.2	6.5	16.1	13.1	10.3	5.0	6.2	6.1	9.8	7
	ALL	11.9	16.5	10.2	6.2	4.1	9.0	13.4	13.0	8.1	2.8	5.7	6.6	9.2	7
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	1.6	2.7	1.5	.0	.3	.7	1.1	2.7	1.4	.0	.4	1.1	1.1	7
	03 - 05	1.4	3.3	.6	.0	.0	1.0	1.8	2.9	.7	.0	.0	.7	1.0	7
	06 - 08	1.2	4.0	2.3	.2	.0	2.1	3.6	5.0	1.0	.0	.5	.0	1.7	7
	09 - 11	1.4	3.5	1.2	.0	.2	1.0	1.3	4.4	.5	.2	1.0	.6	1.3	7
	12 - 14	2.4	3.7	1.9	.2	.0	.3	.4	1.1	.3	.2	1.8	1.0	1.1	7
	15 - 17	2.1	4.0	1.1	.2	.0	.0	.5	.5	.5	.0	.2	1.2	.9	7
	18 - 20	3.0	3.2	.5	.0	.0	.4	.6	.5	1.3	.0	.3	.9	.9	7
	21 - 23	1.1	3.3	.6	.6	.0	.4	1.4	2.1	2.2	.0	.0	1.1	1.1	7
	ALL	1.8	3.6	1.3	.1	.1	.8	1.4	2.5	.9	.1	.7	.8	1.2	7

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @ SUMMARY OF DAY (SOD) DATA WERE SUPPLEMENTED FROM DUTCH HARBOR SUMMARIZED HOURLY DATA, POR 8706-9003.  
 @@ HEATING AND COOLING DEGREE DATA WERE DERIVED BY SUBTRACTING THE MONTHS MEAN TEMPERATURE FROM 65 DEGREES  
 AND MULTIPLYING BY THE NUMBER OF DAYS IN THE MONTH.

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